JVC

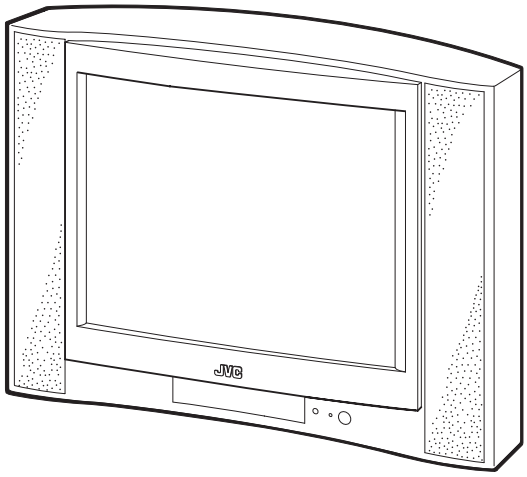
# SERVICE MANUAL

## COLOR TELEVISION

# AV-27FA54/ASA, AV-27FA54/AZA,
# AV-32FA54/AYA, AV-32FA54/AZA,
# AV-36FA54/AYA

| BASIC CHASSIS |
| --- |
| GJ2 |

BBE

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No.52115
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# SPECIFICATION

| Items | | Contents | | |
|---|---|---|---|---|
| | | AV-27FA54 | AV-32FA54 | AV-36FA54 |
| Dimensions (W × H × D) | | 82.9 cm × 59.3 cm × 51.9cm (32-3/4" × 23-3/8" × 20-1/2") | 93.9 cm × 68.5 cm × 57.0cm (37" × 27" × 22-1/2") | 102.3 cm × 75.6 cm × 61.3cm (40-3/8" × 29-7/8" × 24-1/4") |
| Mass | | 43.0kg (94.6lbs) | 64.0kg (140.8lbs) | 85.0kg (187.0lbs) |
| TV RF System | | CCIR(M) | | |
| Color System | | NTSC | | |
| Sound System | | BTSC (Multi Channel Sound) | | |
| TV Receiving Channels and Frequency | VHF LOW | 02ch~06ch : 54MHz~88MHz | | |
| | VHF HIGH | 07ch~13ch : 174MHz~216MHz | | |
| | UHF | 14ch~69ch : 470MHz~806MHz | | |
| | CATV | 54MHz~804MHz<br>Low Band : 02~06, A-8 by 02~06&01<br>High Band : 07~13 by 07~13<br>Mid Band : A~I by 14~22<br>Super Band : J~W by 23~36<br>Hyper Band : W+1~W+28 by 37~64<br>Ultra Band : W+29~W+84 by 65~125<br>Sub Mid Band : A8, A4~A1 by 01, 96~99 | | |
| TV / CATV Total Channel | | 180 Channels | | |
| Intermediate Frequency | Video IF Carrier | 45.75 MHz | | |
| | Sound IF Carrier | 41.25 MHz (4.5MHz) | | |
| Color Sub Carrier | | 3.58 MHz | | |
| Power Input | | AC120V , 60Hz | | |
| Power Consumption | | 140W | 160W | ← |
| Picture Tube (Visible size) | | 68cm (27") Measured diagonally (H : 54.4cm × W : 41.8cm) | 80cm (32") Measured diagonally (H : 65.6cm × W : 49.6cm) | 90cm (36") Measured diagonally (H : 74.0cm × W : 55.9cm) |
| High Voltage | | 30.0kV ±1.3kV | 31.4kV ±1.3kV | ← |
| Speaker | | 6.5cm × 13cm (2-1/2" × 5"), Oval type × 2 | | |
| Audio Power Output | | 10W + 10W | | |
| Antenna Terminal (VHF / UHF) | | F-type connector, 75 Ω unbalanced | | |
| Input1 (Rear) | Video | 1V(p-p), negative sync, 75 Ω, RCA pin jack × 1 | | |
| | S-video | Mini DIN 4-pin × 1<br>Y : 1V(p-p), negative sync, 75 Ω<br>C : 0.286V(p-p)(burst signal), 75 Ω | | |
| | Audio | 500mV(rms)(-4dBs), high impedance, RCA pin jack × 2 | | |
| Input2 (Rear) | Video | 1V(p-p), negative sync, 75 Ω, RCA pin jack × 1 | | |
| | Component Video | Y : 1V(p-p), negative sync, 75 Ω, RCA pin jack × 1<br>Pb/Pr : 0.7V(p-p), 75 Ω, RCA pin jack × 2 | | |
| | Audio | 500mV(rms)(-4dBs), high impedance, RCA pin jack × 2 | | |
| Input3 (Front) | Video | 1V(p-p), negative sync, 75 Ω, RCA pin jack × 1 | | |
| | Audio | 500mV(rms)(-4dBs), high impedance, RCA pin jack × 2 | | |
| Input4 (Rear) | Component Video | Y : 1V(p-p), negative sync, 75 Ω, RCA pin jack × 1<br>Pb/Pr : 0.7V(p-p), 75 Ω, RCA pin jack × 2 | | |
| | Audio | 500mV(rms)(-4dBs), high impedance, RCA pin jack × 2 | | |
| Subwoofer Output (Audio) | | More than 0 to 1000mV (rms)(+2.2dBs), low impedance, RCA pin jack × 1 | | |
| Audio Output (Fix) | | 500mV(rms)(-4dBs), low Impedance, (400kHz when modulated 100%), RCA pin jack × 2 | | |
| AV COMPULINK lll | | 3.5mm mini jack × 1 | | |
| Remote Control Unit | | RM-C1251G (AA/R6/UM-3 battery × 2) | | |

Design & specifications are subject to change without notice.

# SECTION 1
# PRECAUTION

## 1.1 SAFETY PRECAUTIONS

(1) The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.

(2) Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.

(3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by ( ⚠ ) on the parts list in Service manual**. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.

(4) **Use isolation transformer when hot chassis.**
The chassis and any sub-chassis contained in some products are connected to one side of the AC power line. An isolation transformer of adequate capacity should be inserted between the product and the AC power supply point while performing any service on some products when the HOT chassis is exposed.

(5) **Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.**
Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : ( ⊥ ) side GND, the ISOLATED (NEUTRAL) : ( ⏚ ) side GND and EARTH : ( ⏚ ) side GND.
Don't short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND and never measure the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND at the same time with a measuring apparatus (oscilloscope etc.). If above note will not be kept, a fuse or any parts will be broken.

(6) If any repair has been made to the chassis, it is recommended that the B1 setting should be checked or adjusted (See B1 POWER SUPPLY check).

(7) The high voltage applied to the picture tube must conform with that specified in Service manual. Excessive high voltage can cause an increase in X-Ray emission, arcing and possible component damage, therefore operation under excessive high voltage conditions should be kept to a minimum, or should be prevented. If severe arcing occurs, remove the AC power immediately and determine the cause by visual inspection (incorrect installation, cracked or melted high voltage harness, poor soldering, etc.). To maintain the proper minimum level of soft X-Ray emission, components in the high voltage circuitry including the picture tube must be the exact replacements or alternatives approved by the manufacturer of the complete product.

(8) Do not check high voltage by drawing an arc. Use a high voltage meter or a high voltage probe with a VTVM. Discharge the picture tube before attempting meter connection, by connecting a clip lead to the ground frame and connecting the other end of the lead through a 10kΩ 2W resistor to the anode button.

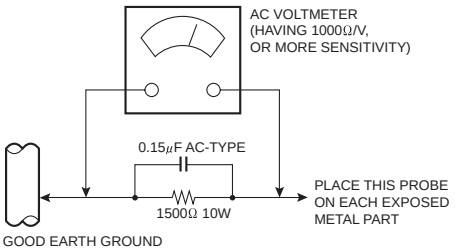
(9) When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.

(10) **Isolation Check (Safety for Electrical Shock Hazard)**
After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

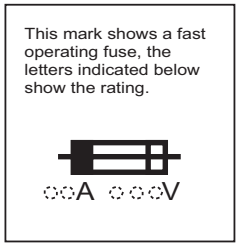
a) **Dielectric Strength Test**
The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 1100V AC (r.m.s.) for a period of one second.
(. . . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.) This method of test requires a test equipment not generally found in the service trade.

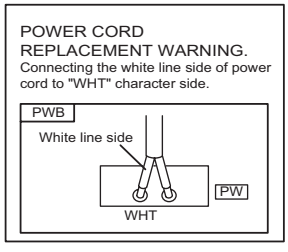
b) **Leakage Current Check**
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

**Alternate Check Method**
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000Ω per volt or more sensitivity in the following manner. Connect a 1500Ω 10W resistor paralleled by a 0.15μF AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).




(11) **High voltage hold down circuit check.**
After repair of the high voltage hold down circuit, this circuit shall be checked to operate correctly.See item **"How to check the high voltage hold down circuit"**.



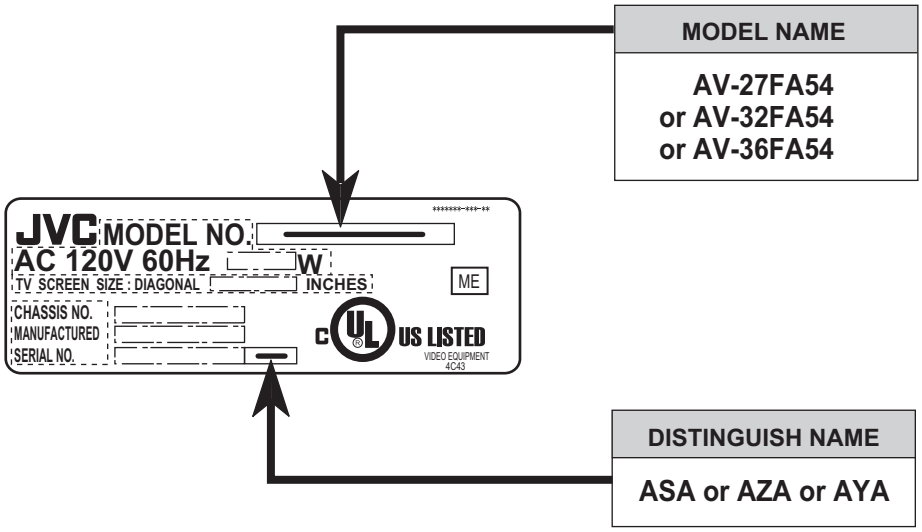
# SECTION 2
# SPECIFIC SERVICE INSTRUCTIONS

## 2.1 FEATURES

- New chassis (GJ2) design enables use of a single board with simplified circuitry.
- Users can make fun to connect the DVD player with the component video signal input terminal.
- Provided with miniature tuner (TV/CATV).
- Multifunctional remote control permits picture adjustment.
- Adoption of the CHANNEL GUARD function prevents the specific channels from being selected, unless the "ID number" is key in.
- $I^2C$ bus control utilizes single chip ICs.
- Adoption of the VIDEO STATUS / THEATER PRO. function.
- Adoption of the ON/OFF TIMER and SLEEP TIMER function.
- Built-in V-CHIP system.
- Closed-caption broadcasts can be viewed.
- Built-in AHS (Advanced Hyper Surround) system.
- S-VIDEO input terminal for taking best advantage of Super VHS.
- Digital Comb filter Improved picture quality.
- Adoption of the ASPECT MODE (4:3/ 16:9) function.
- By pushing the EZ SURF key, Back Program Information can be displayed in written from program Information uses a CALL LETTER (broadcasting station ID), a Network name and a Program name of XDS data, and collectÅfs tuning of the tuner for PIP one by one.
- Two programs can be displayed on the screen by the 2 tuners PIP circuit.

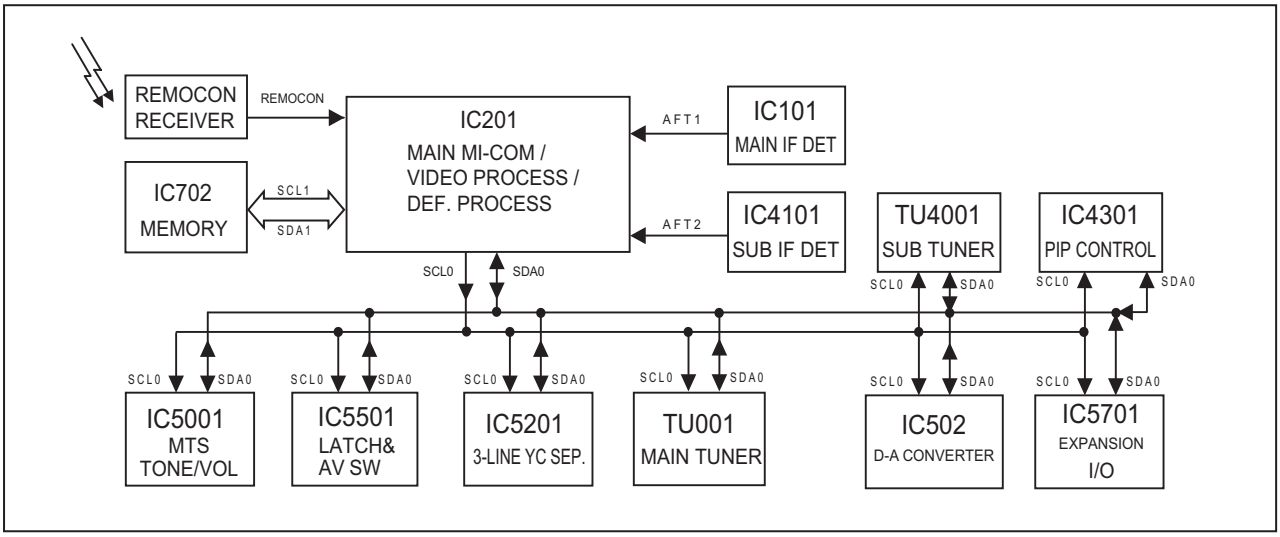
## 2.2 HOW TO IDENTIFY MODELS

● How to recognize from the appearance of the model concerned is written below. Please distinguish from several contents currently printed on the rating label.



## 2.3 TECHNINAL INFORMATION

### 2.3.1 SYSTEM BLOCK DIAGRAM




### 2.3.2 MAIN MI-COM (CPU) PIN FUNCTION

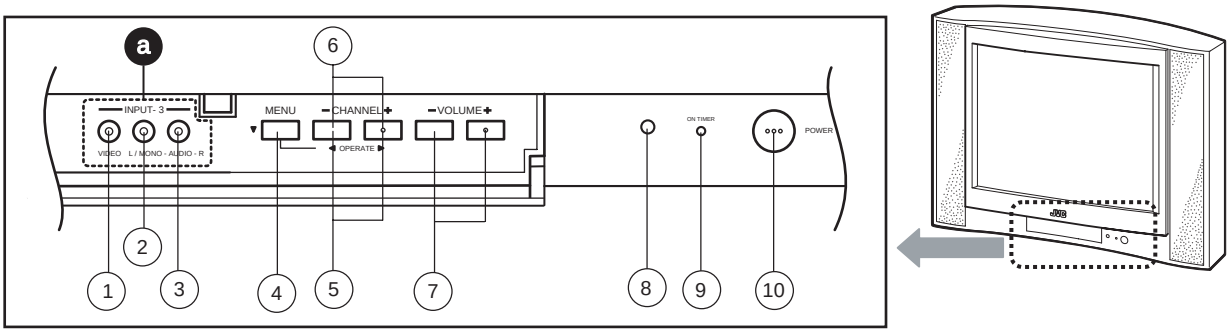
| Pin No. | Pin name | I/O | Function | Pin No. | Pin name | I/O | Function |
|---|---|---|---|---|---|---|---|
| 1 | AFT2 | I | AFT voltage for sub tuner (Tuning frequency control) | 29 | YCD_GND | - | GND |
| 2 | AFT1 | I | AFT voltage for main tuner (Tuning frequency control) | 30 | Vin1 | I | Not used |
| 3 | KEY | I | Key scan for front control [No signal : H] | 31 | ABCL | I | Current for automatic beam (brightness)/contrast limit |
| 4 | uP DVss | - | GND | 32 | Monitor | O | Clamp pulse (for Component / PIP switch) |
| 5 | Reset | I | CPU reset | 33 | Black_Det | - | Black level detection filter |
| 6 | Xout | O | CPU system clock : 8MHz oscillation | 34 | SVM_out | O | Y signal for scan velocity modulation |
| 7 | Xin | I | CPU system clock : 8MHz oscillation | 35 | APL_Fil | - | Average picture level filter |
| 8 | TEST | - | GND | 36 | APC_Fil | - | Automatc phase control filter |
| 9 | uP_DVDD | - | 5V | 37 | 3.58MHz | O | Color sub carrier (3.58MHz) for 3-line digital comb filter [IC5201] |
| 10 | AGC_MUTE | O | AGC muting for main tuner (when channel select) [Muting : H] | 38 | YC_Vcc_5V | - | 5V (for video process circuit) |
| 11 | UP_VVss | - | GND | 39 | R_out | O | R signal |
| 12 | TV_HGND | - | GND | 40 | G_out | O | G signal |
| 13 | FBP_SCP | I | Flyback pulse (H. pulse) | 41 | B_out | O | B signal |
| 14 | Hout | O | H. drive (oscillation) | 42 | RGB_Vcc_9V | - | 9V (for RGB process circuit) |
| 15 | H_Vcc_9V | - | 9V (for H. oscillation start) | 43 | IK in | I | Not used |
| 16 | HAFC_1 | - | H. AFC filter | 44 | TV_DGND | - | GND |
| 17 | Vsaw | - | V. saw filter | 45 | uP_MPAGND | - | GND |
| 18 | Vout | O | V. drive | 46 | uP_MPAVDD | - | 5V |
| 19 | EW_out | O | Parabola waveform (for sidepin correection) | 47 | MAIN_POWER | O | Power on/off switching control [Powen on : L] |
| 20 | Xray | I | X-ray detection (for protection) [Detection : H] | 48 | HAZARD | I | B1 over cuurent / V. amplitude detection (for protect) [Defective : H] |
| 21 | Ys | I | PIP area pulse [sub picture on:H] | 49 | SDAO | I/O | Data for Inter IC control bus (for various devices) |
| 22 | Cb_input | I | Cb(external) /B-Y(PIP) signal | 50 | SCLO | O | Clock for Inter IC control bus (for various devices) |
| 23 | Y_input | I | Y signal (external /PIP) | 51 | SDA1 | I/O | Data for Inter IC control bus (for main memory) |
| 24 | Cr_input | I | Cr(external) /R-Y(PIP) signal | 52 | AGC ADJUST | O | AGC adjustment (for tuner) <S45 in Service menu> |
| 25 | DVcc_3.3V | - | 3.3V | 53 | SCL1 | O | Clock for Inter IC control bus (for main memory) |
| 26 | V3in/Cin | I | Chroma signal (for YC separation output) | 54 | LED | O | POWER / ON TIMER LED Indication [lighting : L] |
| 27 | EHT_in | I | Not used | 55 | REMOCON | I | Remote control sensor input [No input : H] |
| 28 | V2in/Y | I | Y signal (for YC separation output) | 56 | COMPULINK | I | AV COMPULINK III control [No input : H] |

## 2.4 MAIN DIFFERENCE LIST

| Item | AV-27FA54 | | AV-32FA54 | | AV-36FA54 |
|---|---|---|---|---|---|
| | ASA | AZA | AYA | AZA | AYA |
| CRT (Picture Tube) Size | 27V (Diagonally) (H:55.4cm × W:41.8cm) | | 32V (Diagonally) (H:65.6cm × W:49.6cm) | | 36V (Diagonally) (H:74.0cm × W:55.9cm) |
| CRT Surface Treatment | Crear + Coating | | Tint | | Tint |
| Electric Gun | Non-DAF | | DAF | | DAF |
| High Voltage | 30kV±1.3kV | | 31.4kV±1.3kV | | 31.4kV±1.3kV |
| Dimensions (W × H × D) | "82.9cm × 59.3cm × 51.9cm (32-3/4" × 23-3/8" × 20-1/2") | | "93.9cm × 68.5cm × 57.0cm (37" × 27" × 22-1/2") | | "102.3cm × 75.6cm × 61.3cm (40-3/8" × 29-7/8" × 24-1/4") |
| Mass | 43.0 kg (94.6 lbs) | | 64.0 kg (140.8 lbs) | | 85.0 kg (187.0 lbs) |
| MAIN PWB ASSY | SGJ-1513A-M2 | SGJ-1514A-M2 | SGJ-1511A-M2 | SGJ-1515A-M2 | SGJ-1512A-M2 |
| PIP PWB ASSY | SGJ-4001A-M2 | ← | ← | ← | ← |
| DAF PWB ASSY | --- | --- | SGJ-2503A-M2 | SGJ-2502A-M2 | SGJ-2501A-M2 |
| CRT SOCKET PWB ASSY | SGJ-3502A-M2 | SGJ-3506A-M2 | SGJ-3504A-M2 | SGJ-3503A-M2 | SGJ-3501A-M2 |
| FRONT CONTROL PWB ASSY | SGJ-6501A-M2 | ← | SGJ-6502A-M2 | ← | SGJ-6503A-M2 |
| PICTURE TUBE (ITC) | A68QCP893X003 | A68QCU754X62N | A80AJZ90X03 | A80ERF042X17 | A90AJZ90X02 |
| DEG COIL | QQW0090-001 | ← | QQW0107-001 | QQW0176-001 | QQW0122-001 |
| FRONT CABINET ASSY | LC11556-001C-A | ← | LC11531-001B-A | ← | LC11557-001B-A |
| REAR COVER | LC11555-001C-A | ← | LC11533-001C-A | ← | LC11559-001C-A |

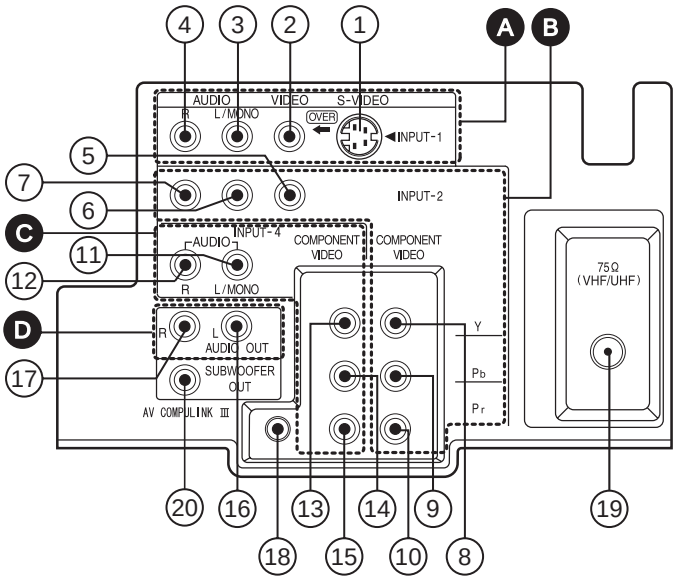
## 2.5 FUNCTIONS

### ■ FRONT PANEL CONTROL




| | |
|---|---|
| a | INPUT-3 TERMINAL |
| 1 | VIDEO |
| 2 | AUDIO L/MONO |
| 3 | AUDIO R |
| 4 | MENU(▼) button |
| 5 | OPERATE(◀/▶) button (for MENU) |
| 6 | CHANNEL(-/+) buttons |
| 7 | VOLUME(-/+) buttons |
| 8 | REMOTE CONTROL SENSOR |
| 9 | POWER ON/ ON TIMER INDICATOR |
| 10 | POWER SW button |

### ■ REAR TERMINAL




| | |
|---|---|
| A | INPUT-1 TERMINAL |
| 1 | S-VIDEO |
| 2 | VIDEO |
| 3 | AUDIO L/MONO |
| 4 | AUDIO R |

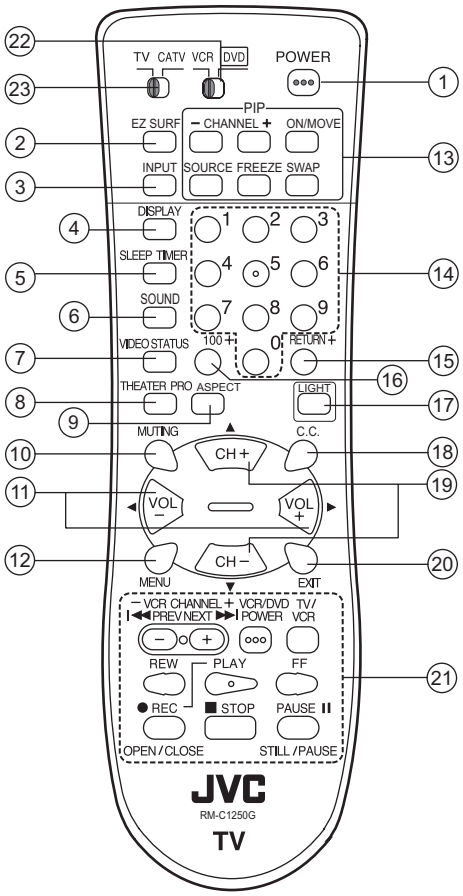
| | |
|---|---|
| B | INPUT-2 TERMINAL |
| 5 | VIDEO |
| 6 | AUDIO L/MONO |
| 7 | AUDIO R |
| 8 | COMPONENT-Y |
| 9 | COMPONENT-$P_b$ |
| 10 | COMPONENT-$P_r$ |

| | |
|---|---|
| C | INPUT-4 TERMINAL |
| 11 | AUDIO L/MONO |
| 12 | AUDIO R |
| 13 | COMPONENT-Y |
| 14 | COMPONENT-$P_b$ |
| 15 | COMPONENT-$P_r$ |

| | |
|---|---|
| D | AUDIO OUTPUT TERMINAL (Fixed) |
| 16 | AUDIO L |
| 17 | AUDIO R |

| | |
|---|---|
| 18 | AV COMPULINK Ⅲ TERMINAL |
| 19 | ANTENNA TERMINAL 75Ω (VHF/UHF) |
| 20 | SUBWOOFER OUT |

## ■ REMOTE CONTROL UNIT




① POWER key

② EZ SURF key: Back program can be displayed

③ INPUT key: ↱TV→VIDEO1→VIDO2→V2-COMPONENT→VIDEO3→VIDEO4┐

④ DISPLAY key

⑤ SLEEP TIMER key: ↱0→15→30 ····· →165→180┐

⑥ SOUND key: AHS and BBE ON/OFF can be displayed

⑦ VIDEO STATUS key: ↱STANDARD→DYNAMIC→THEATER→GAME┐

⑧ THEATER PRO key

⑨ ASPECT key: Can be changed to 4:3 and 16:9 screen

⑩ MUTING key

⑪ VOL+/- & VOL ◀/▶ (for SERVICE MENU) keys

⑫ MENU key

⑬ PIP CONTROL key: (ON/MOVE, CHANNEL, SWAP, FREEZE and SOURCE keys)
Press the ON/MOVE key; PIP screen can be dispalyed

⑭ CHANNEL NUMBER keys

⑮ RETURN+ key

⑯ 100+ key

⑰ LIGHT key

⑱ C.C. (CLOSED CAPTION) key: ↱OFF→CAPTION→TEXT┐

⑲ CH+/- & CH ▲/▼ (for SERVICE MENU) keys

⑳ EXIT key

㉑ VCR CONTROL key

㉒ VCR / DVD switch

㉓ TV / CATV switch

NOTE

The CH+/- keys and VOL+/- keys operate CHANNEL and VOLUME normally.
These keys are also used to navigate SERVICE MENU as the CH▲/▼ and VOL◀/▶keys.

# SECTION 3
# DISASSEMBLY

## 3.1 DISASSEMBLY PROCEDURE

### 3.1.1 REMOVING THE REAR COVER

(1) Disconnect the power plug from wall outlet.
(2) As shown in the Fig.1, remove the 11 screws **[A]**.
(3) Withdraw the REAR COVER backward.

### 3.1.2 REMOVING THE AV TERMINAL BOARD

- Remove the REAR COVER.
  (1) As shown in Fig.1, remove the 6 screws **[B]**.
  (2) Withdraw the AV TERMINAL BOARD toward you.

### 3.1.3 REMOVING THE CHASSIS

- Remove the REAR COVER.
- Remove the AV TERMINAL BOARD.
  (1) Slightly raise the both sides of CHASSIS by hand.
  (2) Remove the 2 claws under the both side of the CHASSIS from the front cabinet.
  (3) Withdraw the CHASSIS backward.
  (If necessary, remove the wire clamp, connectors etc.)

### 3.1.4 REMOVING THE SPEAKER

- Remove the REAR COVER.
  (1) As shown in Fig.1, remove the 2 screws **[C]**.
  (2) Remove the 4 screws **[D]** and taking out the SPEAKER.
  (3) Follow the same steps when removing the other hand SPEAKER.

**NOTE :**

When remove the 2 screws **[C]** of the SPEAKER, taking out the lower side screw first, and then takeing out the upper one.

### 3.1.5 REMOVING THE LED & POWER SW PWB

- Remove the REAR COVER.
  (1) Remove the 2 screws **[E]** as shown in Fig.1.
  (2) Withdraw the LED & POWER SW PWB toward you.

*If necessary, remove the wire clamp, connector etc.

### 3.1.6 REMOVING THE FRONT CONTROL PWB

- Remove the REAR COVER.
  (1) Remove the 2 screws **[F]** as shown in Fig.1.
  (2) Withdraw the FRONT CONTROL PWB toward you.

*If necessary, remove the wire clamp, connector etc.

### 3.1.7 CHECKING THE CHASSIS

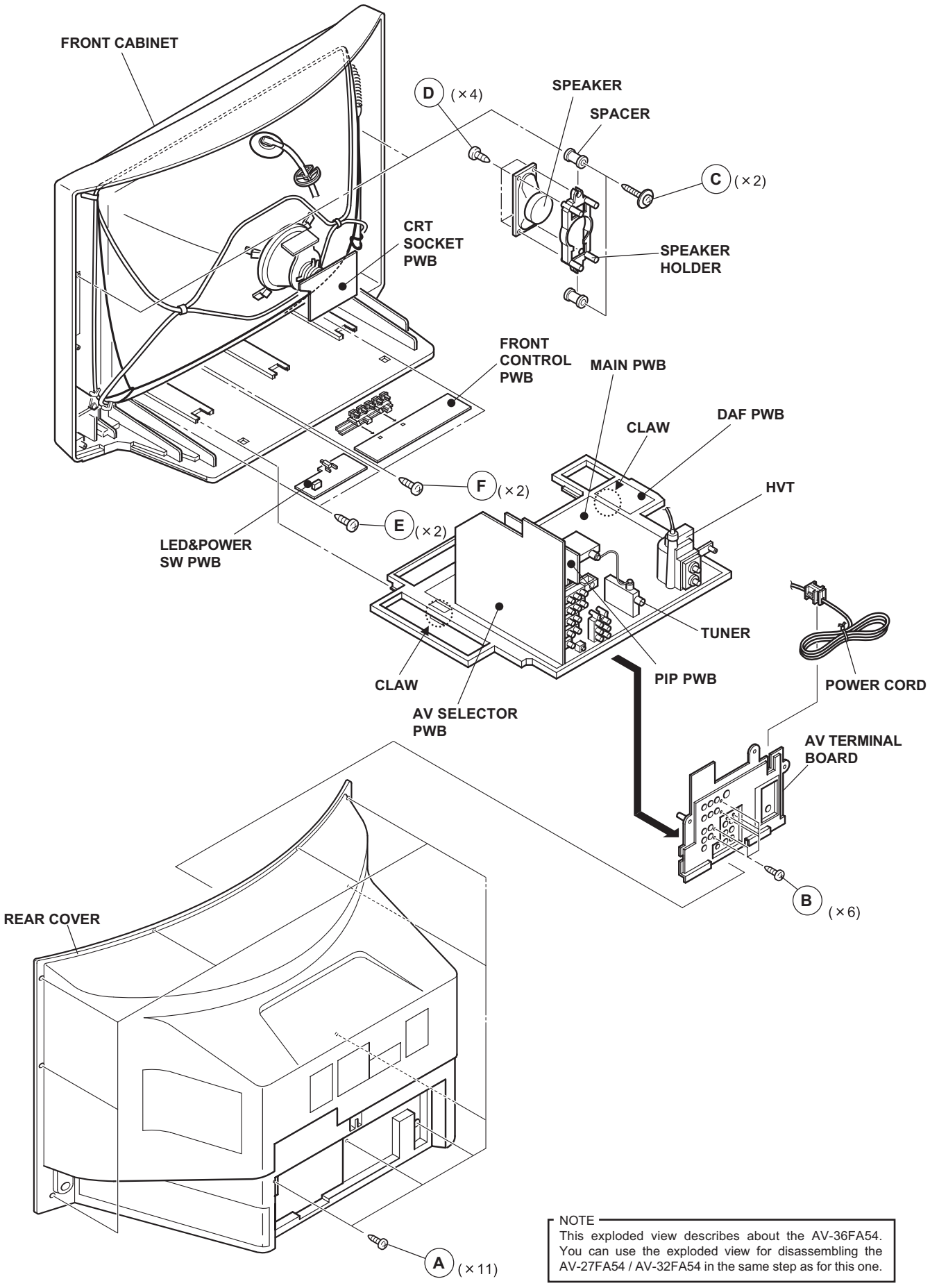
To check the PW Board from back side.
(1) Pull out the CHASSIS (refer to REMOVING THE CHASSIS).
(2) Erect the CHASSIS vertically so that you can easily check the back side of the PW Board.

**CAUTION :**

- When erecting the CHASSIS, be careful so that there will be no contacting with other PW Board.
- Before turning on power, make sure that the wire connector is properly connected.
- **When conducting a check with power supplied, be sure to confirm that the CRT EARTH WIRE (BRAIDED ASS'Y) is connected to the CRT SOCKET PWB.**

### 3.1.8 WIRE CLAMPING AND CABLE TYING

(1) Be sure to clamp the wire.
(2) Never remove the cable tie used for tying the wires together. Should it be inadvertently removed, be sure to tie the wires with a new cable tie.




NOTE
This exploded view describes about the AV-36FA54. You can use the exploded view for disassembling the AV-27FA54 / AV-32FA54 in the same step as for this one.

Fig.1

### 3.2 REMOVING THE CRT

**NOTE:**

- Replacement of the CRT should be performed by 2 or more persons.
- After removing the REAR COVER, CHASSIS etc.,

(1) Putting the CRT change table on soft cloth, the CRT change table should also be covered with such soft cloth (shown in Fig. 3).

(2) While keeping the surface of CRT down, mount the TV set on the CRT change table balanced will as shown in Fig. 3.

(3) Remove 4 screws marked by arrows with a box type screwdriver as shown in Fig. 4.

**NOTE:**

Since the cabinet will drop when screws have been removed, be sure to support the cabinet with hands.

(4) After 4 screws have been removed, put the cabinet slowly on cloth (At this time, be carefully so as not to damage the front surface of the cabinet) shown in Fig. 5.

**NOTE:**

- The CRT should be assembled according to the opposite sequence of its dismounting steps.
- The CRT change table should preferably be smaller that the CRT surface, and its height be about 35cm.

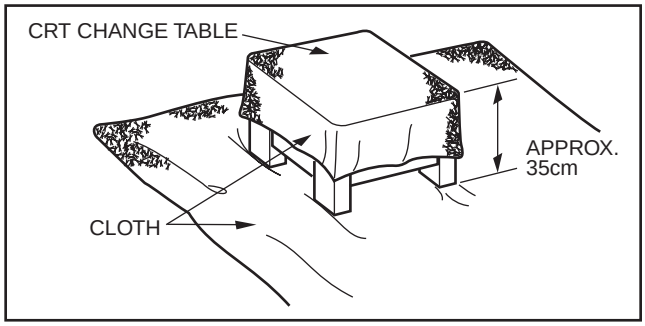



Fig.3

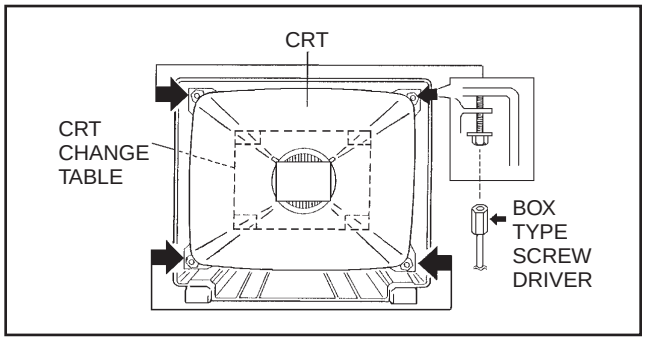



Fig.4

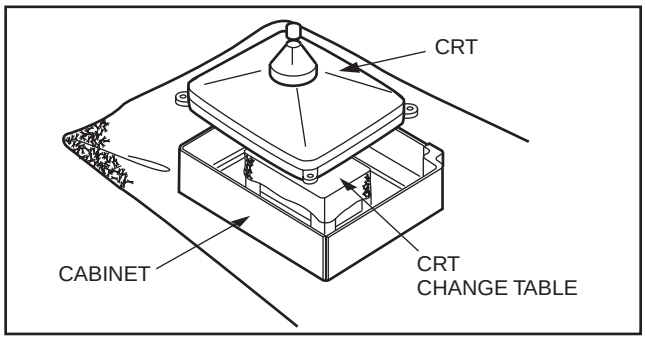



Fig.5

■ **FOR AV-32FA54/AZA model only**

**CAUTION FOR DEGAUSSING WORKS**

Whenever degaussing works are required due to distorted images and colors caused by the replacement of the CRT or other external magnetic forces, self-degaussing (internal degaussing) should be carried out without fail instead of degaussing the monitor from the outside.

Because of the characteristics of the CRT used in this monitor , the distorted images and colors may worsen if degaussing the monitor from the outside has been performed.

Even if external degaussing works have been carried out, self-degaussing should be performed by turning the power on the monitor.

When you want to perform self-degaussing of the monitor whose power is already turned on, turn of f the power and wait for about 10 minutes before turning the power on the monitor again for self-degaussing.

### 3.3 MEMORY IC REPLACEMENT

#### 3.3.1 MEMORY IC

This TV uses memory IC.
This memory IC stores data for proper operation of the video and deflection circuits.
When replacing the memory IC, be sure to use an IC containing this (initial value) data.

#### 3.3.2 MEMORY IC REPLACEMENT PROCEDURE

**1. Power off**

Switch off the power and disconnect the power cord from the wall outlet.

**2. Replace the memory IC**

Be sure to use a memory IC written with the initial setting data.

**3. Power on**

Connect the power cord to the wall outlet and switch on the power.

**4. Confirm the system constant value**

- 12.SYSTEM (SYS) do not adjust normally.
- The adjustment should not be done without signal.

■ **How to enter the SERVICE MENU.**

- Before entering the SERVICE MENU, confirm that the setting of TV/CATV SW of the REMOTE CONTROL UNIT is at the "TV" side and the setting of VCR/DVD SW of the REMOTE CONTROL UNIT is at the "VCR" side. If the switches have not been properly set, you cannot enter the SERVICE MENU.
  (1) Press the [SLEEP TIMER] key and set SLEEP TIMER for "0 min".
  (2) Before disappear the display of SLEEP TIMER settings, simultaneously press the [DISPLAY] key and [VIDEO STATUS] key of the remote control unit.
  (3) The SERVICE MENU screen will be displayed as shown Fig.1.

■ **How to enter the 12. SYSTEM(SYS).**

(1) While the SERVICE MENU is displayed, select the 12.SYSTEM(SYS) item with [CH▲/▼] keys, and the [VOL◀/▶] keys is pressed, the screen will be displayed as shown in Fig.2.
(2) Refer to the "12.SYSTEM(SYS)" table and check the setting items. If the value is different, select the setting item with the [CH▲/▼] keys and adjust the setting with the [VOL◀/▶] keys. (The letters of the selected item are displayed in yellow.)
(3) When adjustment has completed, the values store into memory IC automatically.
(4) Press the [EXIT] key to return the SERVICE MENU screen.
(5) Then press the [EXIT] key again to return the normal screen.

**5. Receiving channel setting**

Refer to the OPERATING INSTRUCTIONS (USER'S GUIDE) and set the receive channels (Channels Preset) as described.

**6. User settings**

Check the user setting items according to the "FACTRY SETTING VALUE" table.
Where these do not agree, refer to the OPERATING INSTRUCTIONS (USER'S GUIDE) and set the items as described.

**7. SERVICE MENU setting**

Verify what to set in the SERVICE MENU, and set whatever is necessary(Fig.1) .
Refer to the SERVICE ADJUSTMENT for setting.

**SERVICE MENU**

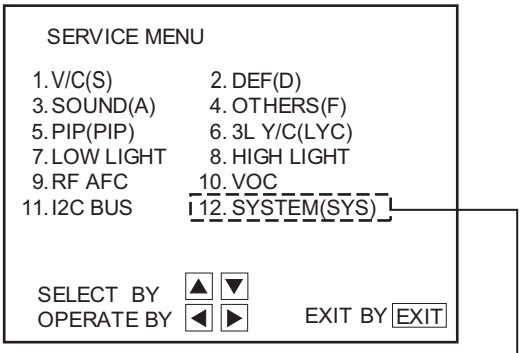



Fig.1

**SYSTEM (SYS) MODE**

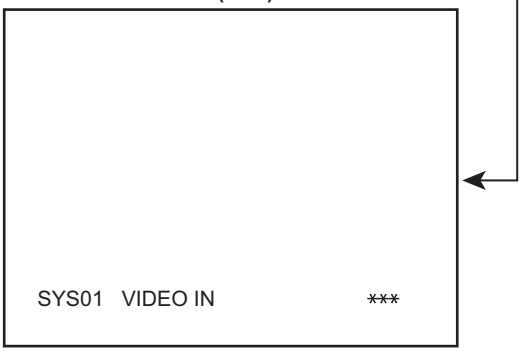
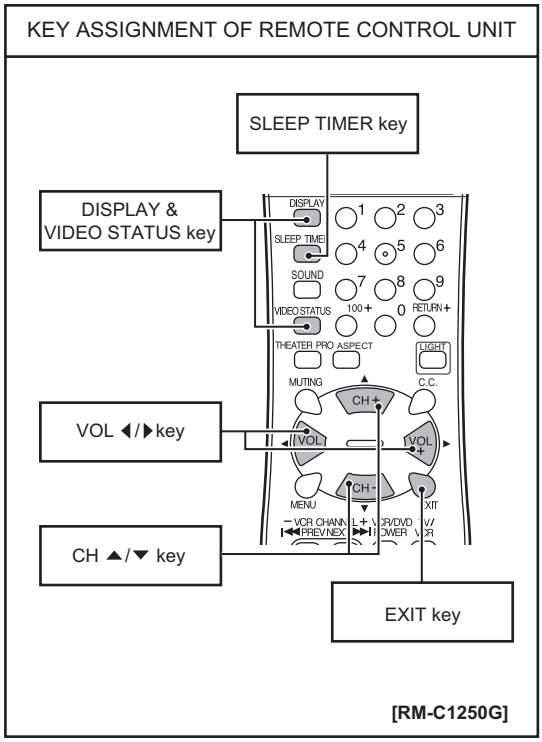



Fig.2

KEY ASSIGNMENT OF REMOTE CONTROL UNIT



### 3.3.3 FACTRY SETTING VALUE

| Setting item | Setting value | | | Setting item | Setting value |
|---|---|---|---|---|---|
| **REMOTE CONTROLLER KEYS** | | | | | |
| POWER | OFF | | | VIDEO STATUS | DYNAMIC |
| CHANNEL | Cable-02 | | | SOUND | AHS : OFF<br>BBE : ON |
| VOLUME | 10 | | | C.C. (Closed Caption) | OFF |
| INPUT | TV | | | PIP SOURCE | Cable-04 |
| DISPLAY | OFF | | | PIP POSITION | Left lower side |
| **SETTING OF MENU** | | | | | |
| **PICTURE** | | | | **CLOCK / TIMERS** | |
| | STANDARD | DYNAMIC | GAME | SET CLOCK | MANUAL<br>TIME ZONE : PACIFIC |
| TINT | 0 | ← | ← | | D.S.T. : OFF |
| COLOR | 0 | ← | +7 | ON / OFF TIMER | OFF |
| PICTURE | 0 | +14(27")<br>+17(32", 36") | -10 | **INITIAL SETUP** | |
| BRIGHT | 0 | ← | ← | LANGUAGE | ENG |
| DETAIL | 0 | +10 | +7 | FRONT PANEL LOCK | OFF |
| COLOR TEMPERATURE | LOW | HIGH | LOW | AUTO SHUT OFF | OFF |
| NOISE MUTING | ON | | | CLOSED CAPTION | CC1 / T1 |
| **SOUND** | | | | AUTO TUNER SETUP | Unnecessary to set |
| BASS | Center | | | CHANNEL SUMMARY | Setting Channel<br>Guard channel : All OFF |
| TREBLE | Center | | | V-CHIP | OFF |
| BALANCE | Center | | | SET LOCK CODE | (0000) |
| MTS | STEREO | | | XDS ID | ON |
| | | | | PULITY **[AV-36FA54 only]** | Center |

### 3.3.4 SERVICE MENU SETTING ITEMS

| Service menu | Setting item | Remarks |
|---|---|---|
| 1.V/C(S) | S01~S48 | VIDEO / CHROMA related circuit adjustment mode |
| 2.DEF(D) | D01~D33 | DEFLECTION related circuit adjustment mode |
| 3.SOUND(A) | A01~A08 | SOUND related circuit adjustment mode |
| 4.OTHERS(F) | F01~F28 | Whole system related items adjustment mode<br>**[Fixed value. Do not adjust]** |
| 5.PIP(PIP) | PIP01~PIP52 | PIP related circuit adjustment mode |
| 6.3LY/C(LYC) | LYC01~LYC12 | 3 line YC separation related circuit adjustment mode<br>**[Fixed value. Do not adjust]** |
| 12.SYSTEM(SYS) | SYS01~SYS27 | This mode is used when setting up the whole system<br>**[Fixed value. Do not adjust]** |

### 3.4 REPLACEMENT OF CHIP COMPONENT

#### 3.4.1 CAUTIONS

(1) Avoid heating for more than 3 seconds.
(2) Do not rub the electrodes and the resist parts of the pattern.
(3) When removing a chip part, melt the solder adequately.
(4) Do not reuse a chip part after removing it.

#### 3.4.2 SOLDERING IRON

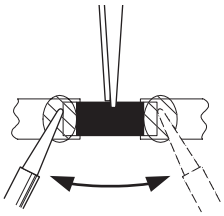
(1) Use a high insulation soldering iron with a thin pointed end of it.
(2) A 30w soldering iron is recommended for easily removing parts.

#### 3.4.3 REPLACEMENT STEPS

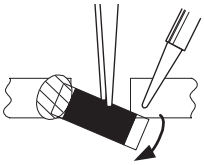
**1. How to remove Chip parts**

**[Resistors, capacitors, etc.]**

(1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.



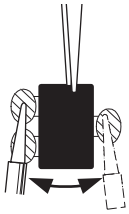
(2) Shift with the tweezers and remove the chip part.



**[Transistors, diodes, variable resistors, etc.]**

(1) Apply extra solder to each lead.

(2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.



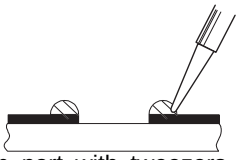
**NOTE :**

After removing the part, remove remaining solder from the pattern.

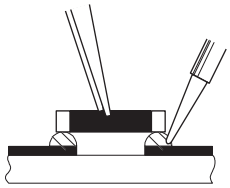
**2. How to install Chip parts**

**[Resistors, capacitors, etc.]**

(1) Apply solder to the pattern as indicated in the figure.

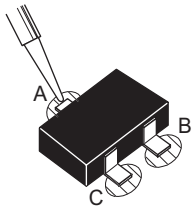


(2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

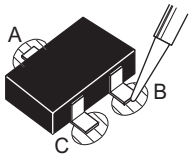


**[Transistors, diodes, variable resistors, etc.]**

(1) Apply solder to the pattern as indicated in the figure.
(2) Grasp the chip part with tweezers and place it on the solder.
(3) First solder lead **A** as indicated in the figure.




(4) Then solder leads **B** and **C**.



# SECTION 4
# ADJUSTMENT

## 4.1 ADJUSTMENT PREPARATION

(1) **There are 2 ways of adjusting this TV : One is with the REMOTE CONTROL UNIT and the other is the conventional method using adjustment parts and components.**
(2) **The adjustment using the REMOTE CONTROL UNIT is made on the basis of the initial setting values. The setting values which adjust the screen to the optimum condition can be different from the initial setting values.**
(3) Make sure that connection is correctly made AC to AC power source.
(4) Turn on the power of the TV and measuring instruments for warning up for at least 30 minutes before starting adjustments.
(5) If the receive or input signal is not specified, use the most appropriate signal for adjustment.
(6) Never touch the parts (such as variable resistors, transformers and condensers) not shown in the adjustment items of this service adjustment.
(7) Preparation for adjustment. Unless otherwise specified in the adjustment items, preset the following functions with the REMOTE CONTROL UNIT.

| Item | Preset value |
|---|---|
| VIDEO STATUS | STANDARD |
| TINT, COLOR, PICTURE, BRIGHT, DETAIL | Center |
| BASS, TREBLE, BALANCE | Center |
| MTS | STEREO |

## 4.2 MEASURING INSTRUMENT AND FIXTURES

(1) DC voltmeter (or digital voltmeter)
(2) Oscilloscope
(3) Frequency counter
(4) Signal generator (Pattern generator) [NTSC]
(5) TV audio multiplex signal generator
(6) Remote control unit

## 4.3 ADJUSTMENT ITEMS

**■CHECK ITEM**
- B1 POWER SUPPLY check

**■TUNER / IF CIRCUIT**
- IF VCO adjustment
- SUB VCO adjustment
- RF. AGC adjustment

**■FOCUS**
- FOCUS adjustment

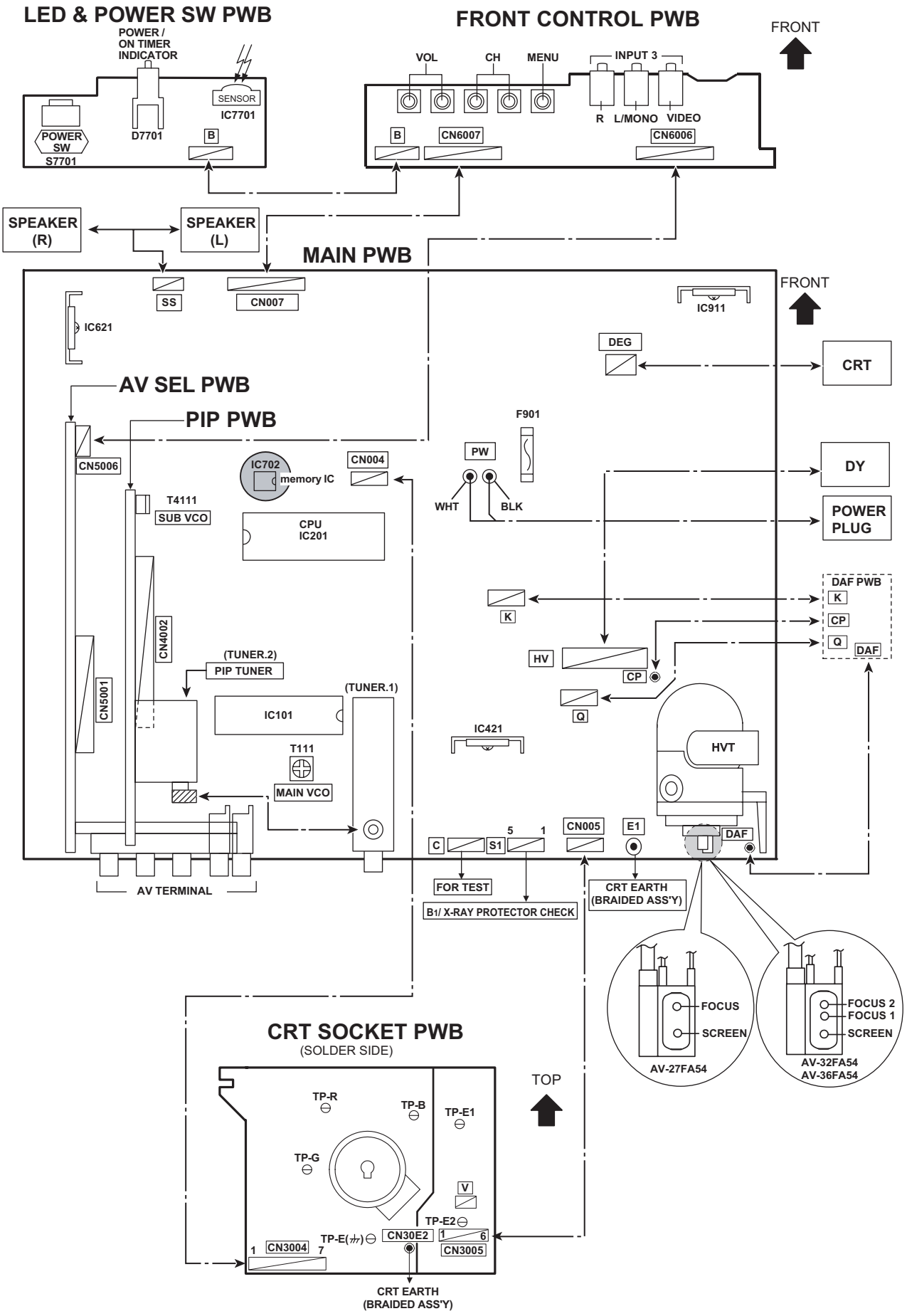
**■DEFLECTION CIRCUIT**
- V. SIZE / V. POSITION (4:3) adjustment
- V. SIZE / V. POSITION (16:9) adjustment
- H. POSITION / H. SIZE / SIDE PIN [ (4:3) & (16:9) ] adjustment
- PIP DISPLAY POSITION adjustment

**■VIDEO CIRCUIT**
- WHITE BALANCE(High Light & Low Light) adjustment
- PIP WHITE BALANCE (High Light) adjustment
- SUB BRIGHT adjustment
- SUB CONTRAST adjustment
- SUB COLOR adjustment
- SUB TINT adjustment

**■MTS CIRCUIT**
- MTS INPUT LEVEL adjustment
- MTS SEPARATION adjustment

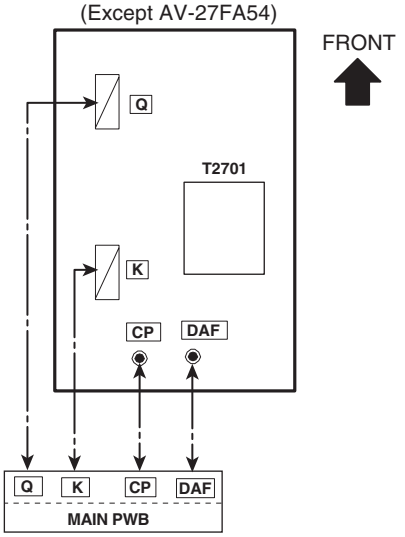
**■HIGH VOLTAGE HOLD DOWN CIRCUIT**

## 4.4 ADJUSTMENT LOCATIONS / WIRING

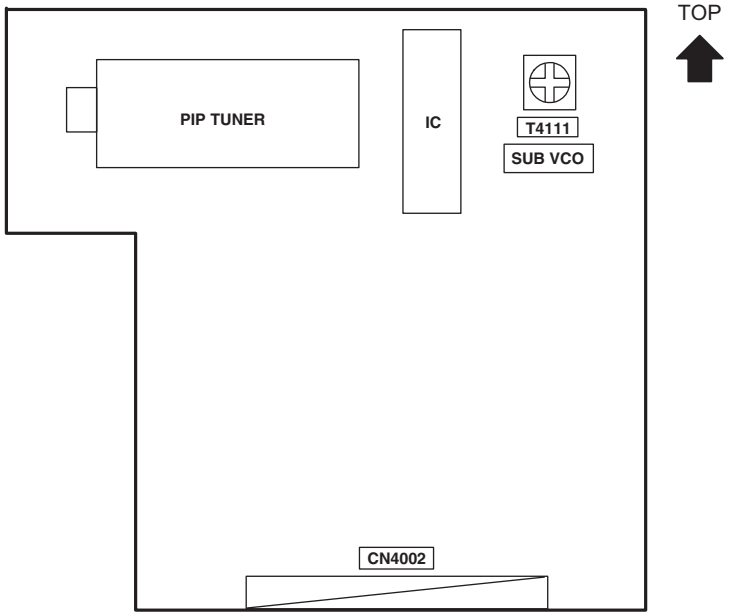


## DAF PWB

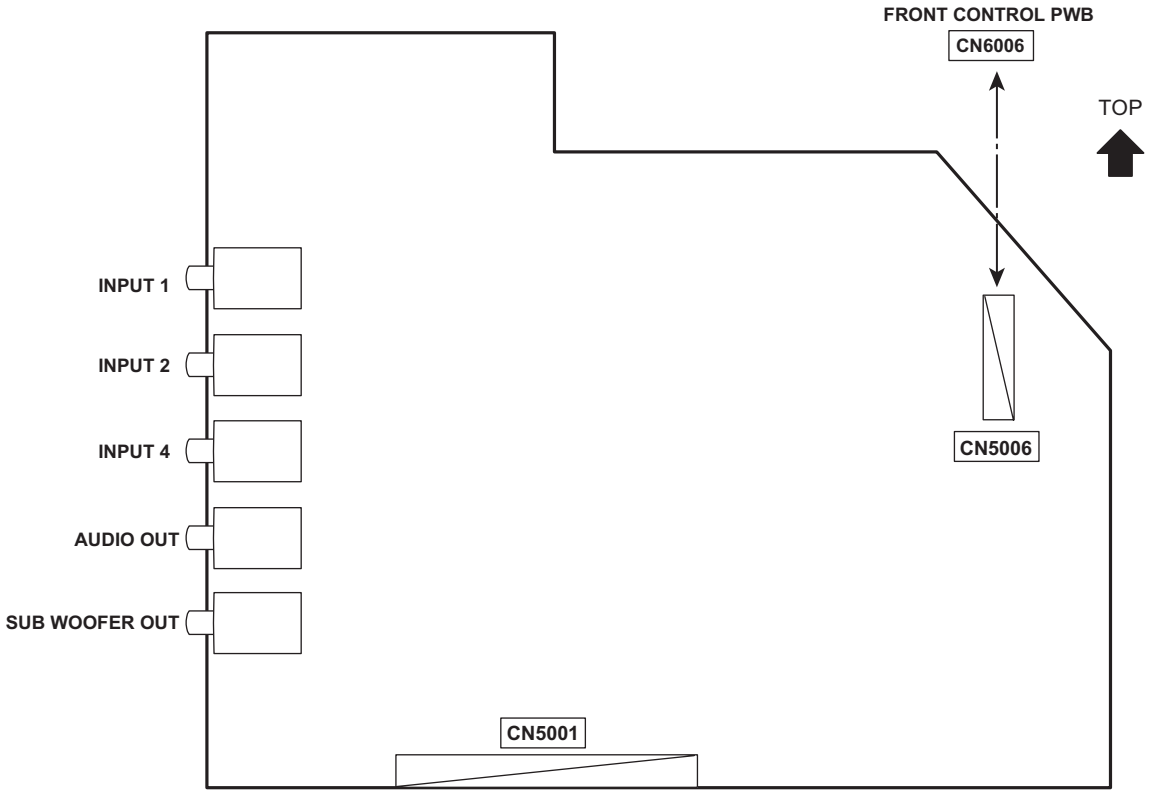
(Except AV-27FA54)




## PIP PWB




## AV SEL PWB



### 4.5 BASIC OPERATION OF SERVICE MENU

#### 4.5.1 TOOL OF SERVICE MENU OPERATION

Operate the SERVICE MENU with the REMOTE CONTROL UNIT.

#### 4.5.2 SERVICE MENU ITEMS

| | |
|---|---|
| **1. V/C(S)** | VIDEO / CHROMA related circuit adjustment mode |
| **2. DEFLECTION(D)** | DEFLECTION related circuit adjustment mode |
| **3. SOUND(A)** | SOUND related circuit adjustment mode |
| **4. OTHERS(F)** | Whole system related items adjustment mode **[Fixed value. Do not adjust]** |
| **5. PIP(PIP)** | PIP related circuit adjustment mode |
| **6. 3L Y/C(LYC)** | 3 line YC separation related circuit adjustment mode **[Fixed value. Do not adjust]** |
| **7. LOW LIGHT** | White balance of "LOW LIGHT" adjustment mode |
| **8. HIGH LIGHT** | White balance of "HIGH LIGHT" adjustment mode |
| **9. RF AFC** | RF AFC related circuit adjustment mode **[Fixed value]** |
| **10. VCO** | VCO related circuit adjustment mode |
| **11. I2C BUS** | I C bus related circuit adjustment mode **[Fixed value]** |
| **12. SYSTEM(SYS)** | This mode is used when setting up the whole system **[Fixed value. Do not adjust]** |

#### 4.5.3 BASIC OPERATION OF SERVICE MENU

**1. How to enter the SERVICE MENU**

Before entering the SERVICE MENU, confirm that the setting of TV/CATV SW of the REMOTE CONTROL UNIT is at the "TV" side and the setting of VCR/DVD SW of the REMOTE CONTROL UNIT is at the "VCR" side. If the switches have not been properly set, you cannot enter the SERVICE MENU.

(1) Press the [SLEEP TIMER] key and set the SLEEP TIMER for "0" MIN

(2) Press the [DISPLAY] key and [VIDEO STATUS] key at the same time to enter the SERVICE MENU screen. (Fig.1)

**2. SERVICE MENU screen selection**

(1) In SERVICE MENU (Fig.1), select any of the SUB MENU items (1.V/C(S)/ 2.DEF(D)/ 3.SOUND(A)/ 4.OTHERS(F)/ 5.PIP(PIP)/ 6.3L Y/C(LYC)/ 7.LOW LIGHT/ 8.HIGH LIGHT/ 9.RF AFC/ 10.VCO/ 11.I2C BUS/ 12.SYSTEM(SYS)) by the [CH▲/▼] keys.
The letters of the selected items are displayed in yellow.

(2) With the SUB MENU item selected, press the [VOL◀/▶] keys to display each screen.
Then the settings or verifications can be performed.

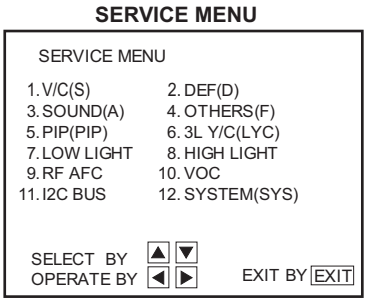



Fig.1

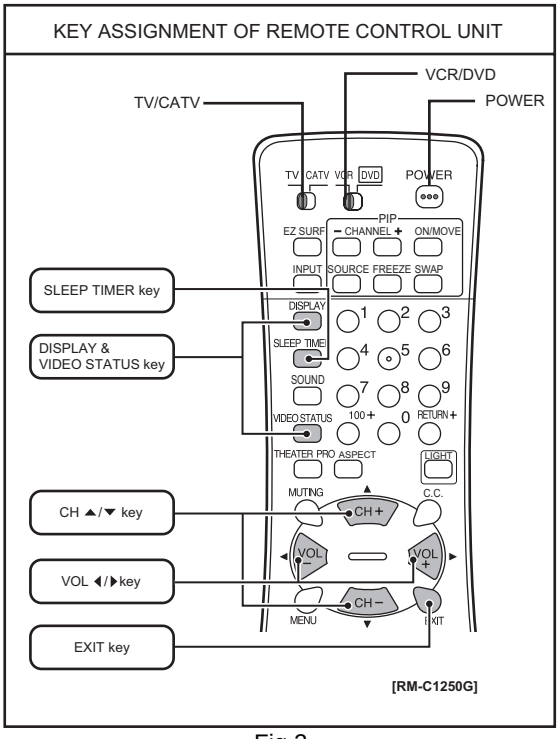



Fig.2

**3. Setting method (Fig.3~ Fig.8)**

(1) [CH ▲ / ▼ ] keys
Select the SETTING ITEM

(2) [VOL ◀ / ▶ ] keys
Setting the SETTING VALUE of the SETTING ITEM
When the key is released the SETTING VALUE will be stored (memorized).

(3) [EXIT] key
Return to the previous screen.

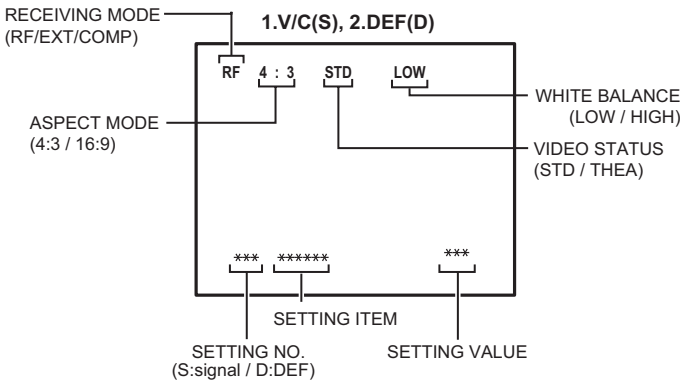



Fig.3

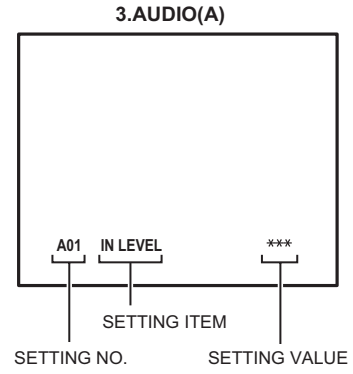



Fig.4

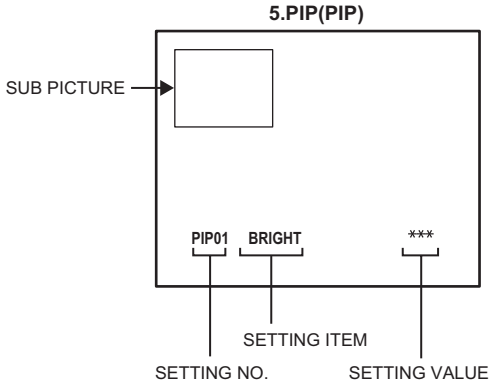



Fig.5

★ The settings for LOW LIGHT and HIGH LIGHT are described in the WHITE BALANCE page of ADJUSTMENT PROCEDURE.

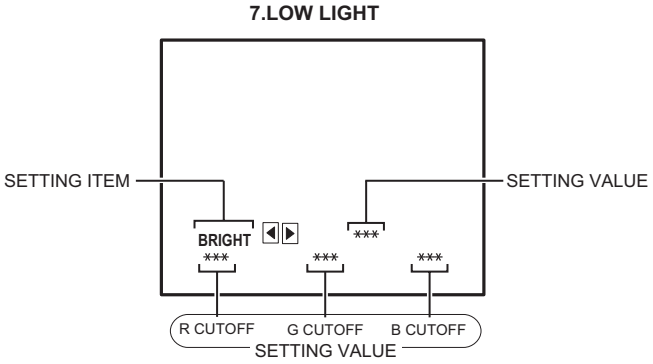



Fig.6

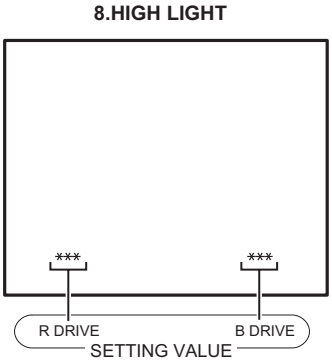



Fig.7

★ The setting for VCO is described in the IF VCO page of ADJUSTMENT PROCEDURE.

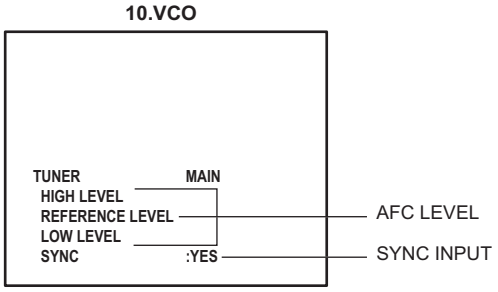
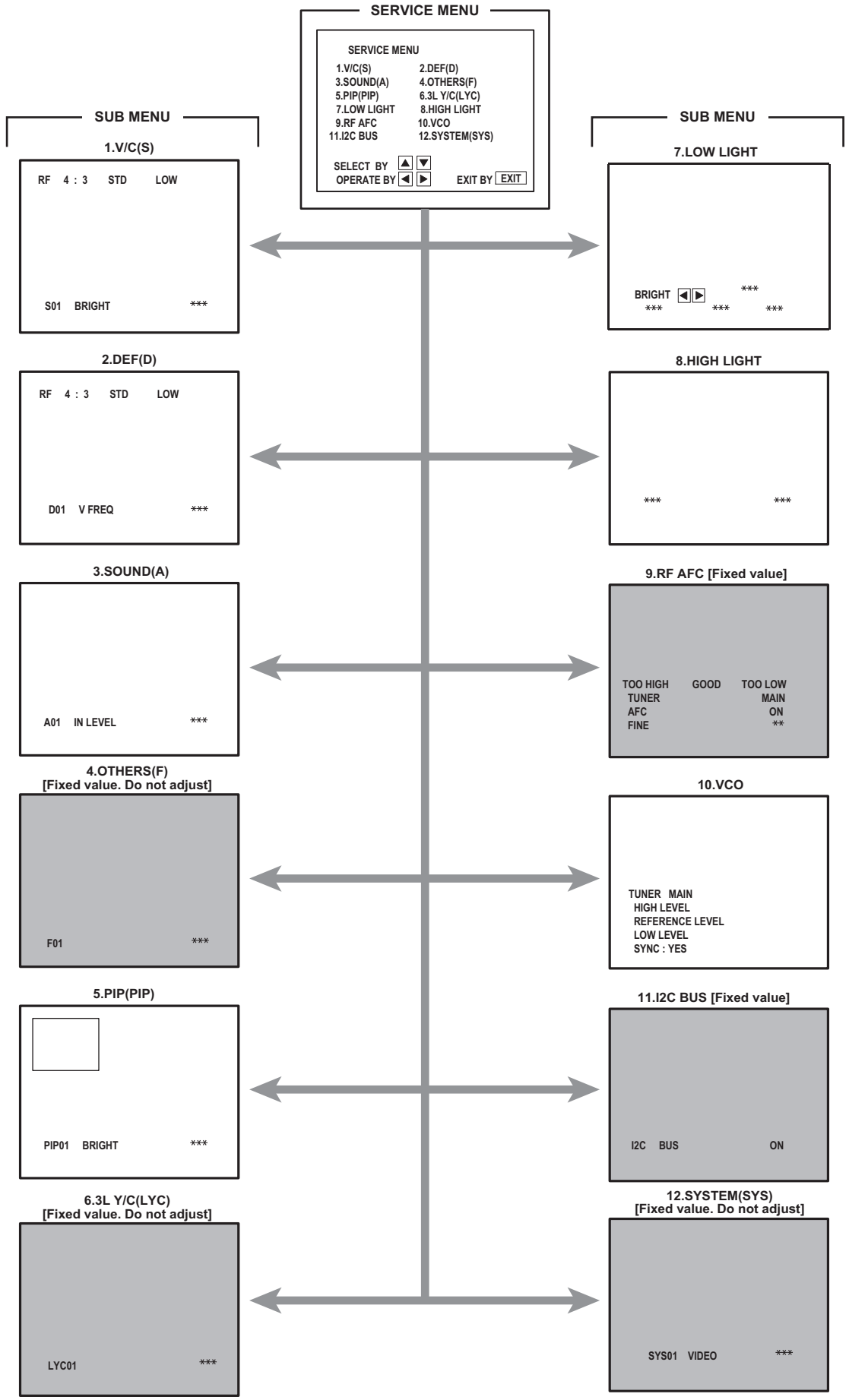



Fig.8

**4. Releasing the SERVICE MENU**

(1) After returning to the SERVICE MENU upon completion of the setting work, press the [EXIT] key again.

### 4.5.4 SERVICE MENU FLOW CHART



### 4.6 INITIAL SETTING VALUE OF SERVICE MENU

(1) Adjustment of the SERVICE MENU is made on the basis of the initial setting values ; however, the new setting values which set the screen in its optimum condition may differ from the initial setting.
(2) Do not change the initial setting values of the setting items NOT LISTED IN ADJUSTMENT PROCEDURE.
(3) --- : This mark described in each table shows "Cannot adjust it."

**1.V/C(S) (1/5)**

| No. | Setting item | Initial setting value | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AV-27FA54 | | | | | | | | | |
| | | ASA | | | | | AZA | | | | |
| | | RF | | | EXTERNAL (S, CV) (4:3) | EXTERNAL (COMPONENT) (4:3) | RF | | | EXTERNAL (S, CV) (4:3) | EXTERNAL (COMPONENT) (4:3) |
| | | STANDARD (4:3) | STANDARD (16:9) | THEATER (4:3) | | | STANDARD (4:3) | STANDARD (16:9) | THEATER (4:3) | | |
| S01 | BRIGHT | 64 | --- | --- | --- | --- | 64 | --- | --- | --- | --- |
| S02 | PICTURE | 60 | --- | --- | --- | --- | 60 | --- | --- | --- | --- |
| S03 | COLOR | 50 | --- | --- | --- | 52 | 50 | --- | --- | --- | 52 |
| S04 | TINT | 68 | --- | --- | --- | 70 | 68 | --- | --- | --- | 70 |
| S05 | DETAIL | 33 | --- | --- | 35 | 40 | 37 | --- | --- | 39 | 44 |
| S06 | BRIGHT +- | --- | 0 | +1 | -2 | ±0 | --- | 0 | +1 | -2 | ±0 |
| S07 | PICT+- | --- | -8 | -10 | ±0 | -5 | --- | -8 | -10 | ±0 | -5 |
| S08 | COLOR +- | --- | 0 | -3 | -1 | --- | --- | 0 | -3 | -1 | --- |
| S09 | TINT+- | --- | 0 | -3 | +2 | --- | --- | 0 | -3 | +2 | --- |
| S10 | DETAIL+- | --- | --- | 0 | --- | --- | --- | --- | 0 | --- | --- |

| No. | Setting item | Initial setting value | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AV-27FA54 | | | | | | | | | | | | | | | |
| | | ASA | | | | | | | | AZA | | | | | | | |
| | | RF/EXT (S,CV) | | | | EXT (COMPONENT) | | | | RF/EXT (S,CV) | | | | EXT (COMPONENT) | | | |
| | | STANDARD | | THEATER | | STANDARD | | THEATER | | STANDARD | | THEATER | | STANDARD | | THEATER | |
| | | LOW | HIGH | LOW | HIGH | LOW | HIGH | LOW | HIGH | LOW | HIGH | LOW | HIGH | LOW | HIGH | LOW | HIGH |
| S11 | R CUT OFF | 30 | --- | --- | --- | --- | --- | --- | --- | 30 | --- | --- | --- | --- | --- | --- | --- |
| S12 | G CUT OFF | 30 | --- | --- | --- | --- | --- | --- | --- | 30 | --- | --- | --- | --- | --- | --- | --- |
| S13 | B CUT OFF | 30 | --- | --- | --- | --- | --- | --- | --- | 30 | --- | --- | --- | --- | --- | --- | --- |
| S14 | R DRIVE | 64 | --- | --- | --- | --- | --- | --- | --- | 64 | --- | --- | --- | --- | --- | --- | --- |
| S15 | B DRIVE | 64 | --- | --- | --- | --- | --- | --- | --- | 64 | --- | --- | --- | --- | --- | --- | --- |
| S16 | R CUT+- | --- | ±0 | ±0 | ±0 | -5 | --- | --- | --- | --- | ±0 | ±0 | ±0 | -5 | --- | --- | --- |
| S17 | G CUT+- | --- | ±0 | ±0 | ±0 | ±0 | --- | --- | --- | --- | ±0 | ±0 | ±0 | ±0 | --- | --- | --- |
| S18 | B CUT+- | --- | ±0 | ±0 | ±0 | -6 | --- | --- | --- | --- | ±0 | ±0 | ±0 | -6 | --- | --- | --- |
| S19 | R DRV+- | --- | +5 | +13 | +7 | ±0 | --- | --- | --- | --- | +5 | +13 | +7 | ±0 | --- | --- | --- |
| S20 | B DRV+- | --- | +6 | -25 | -9 | ±0 | --- | --- | --- | --- | +6 | -25 | -9 | ±0 | --- | --- | --- |
| S21 | NTSC MAT | 3 | 3 | 1 | 1 | 2 | 2 | 1 | 1 | 3 | 3 | 1 | 1 | 2 | 2 | 1 | 1 |
| S22 | BLACK ST | 2 | --- | 2 | --- | --- | --- | --- | --- | 2 | --- | 2 | --- | --- | --- | --- | --- |
| S23 | DCREST | 1 | --- | 1 | --- | --- | --- | --- | --- | 1 | --- | 1 | --- | --- | --- | --- | --- |
| S24 | DCRSW | 1 | --- | 1 | --- | --- | --- | --- | --- | 1 | --- | 1 | --- | --- | --- | --- | --- |

**1.V/C(S) (2/5)**

| No. | Setting item | Initial setting value | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AV-32FA54 | | | | | | | | | |
| | | AYA | | | | | AZA | | | | |
| | | RF | | | EXTERNAL (S, CV) (4:3) | EXTERNAL (COMPONENT) (4:3) | RF | | | EXTERNAL (S, CV) (4:3) | EXTERNAL (COMPONENT) (4:3) |
| | | STANDARD (4:3) | STANDARD (16:9) | THEATER (4:3) | | | STANDARD (4:3) | STANDARD (16:9) | THEATER (4:3) | | |
| S01 | BRIGHT | 64 | --- | --- | --- | --- | 64 | --- | --- | --- | --- |
| S02 | PICTURE | 60 | --- | --- | --- | --- | 60 | --- | --- | --- | --- |
| S03 | COLOR | 50 | --- | --- | --- | 45 | 50 | --- | --- | --- | 41 |
| S04 | TINT | 68 | --- | --- | --- | 68 | 68 | --- | --- | --- | 62 |
| S05 | DETAIL | 33 | --- | --- | 35 | 40 | 33 | --- | --- | 35 | 40 |
| S06 | BRIGHT +- | --- | 0 | +1 | -2 | ±0 | --- | 0 | +1 | -2 | ±0 |
| S07 | PICT+- | --- | -8 | -10 | ±0 | -3 | --- | -8 | -10 | ±0 | -3 |
| S08 | COLOR +- | --- | 0 | -3 | -2 | --- | --- | 0 | -3 | -2 | --- |
| S09 | TINT+- | --- | 0 | -3 | ±0 | --- | --- | 0 | -3 | +5 | --- |
| S10 | DETAIL+- | --- | --- | 0 | --- | --- | --- | --- | 0 | --- | --- |

| No. | Setting item | Initial setting value | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AV-32FA54 | | | | | | | | | | | | | | | |
| | | AYA | | | | | | | | AZA | | | | | | | |
| | | RF/EXT (S,CV) | | | | EXT (COMPONENT) | | | | RF/EXT (S,CV) | | | | EXT (COMPONENT) | | | |
| | | STANDARD | | THEATER | | STANDARD | | THEATER | | STANDARD | | THEATER | | STANDARD | | THEATER | |
| | | LOW | HIGH | LOW | HIGH | LOW | HIGH | LOW | HIGH | LOW | HIGH | LOW | HIGH | LOW | HIGH | LOW | HIGH |
| S11 | R CUT OFF | 30 | --- | --- | --- | --- | --- | --- | --- | 30 | --- | --- | --- | --- | --- | --- | --- |
| S12 | G CUT OFF | 30 | --- | --- | --- | --- | --- | --- | --- | 30 | --- | --- | --- | --- | --- | --- | --- |
| S13 | B CUT OFF | 30 | --- | --- | --- | --- | --- | --- | --- | 30 | --- | --- | --- | --- | --- | --- | --- |
| S14 | R DRIVE | 64 | --- | --- | --- | --- | --- | --- | --- | 64 | --- | --- | --- | --- | --- | --- | --- |
| S15 | B DRIVE | 64 | --- | --- | --- | --- | --- | --- | --- | 64 | --- | --- | --- | --- | --- | --- | --- |
| S16 | R CUT+- | --- | ±0 | ±0 | ±0 | -10 | --- | --- | --- | --- | ±0 | ±0 | ±0 | ±0 | --- | --- | --- |
| S17 | G CUT+- | --- | ±0 | ±0 | ±0 | ±0 | --- | --- | --- | --- | ±0 | ±0 | ±0 | ±0 | --- | --- | --- |
| S18 | B CUT+- | --- | ±0 | ±0 | ±0 | -10 | --- | --- | --- | --- | ±0 | ±0 | ±0 | ±0 | --- | --- | --- |
| S19 | R DRV+- | --- | +5 | +13 | +7 | ±0 | --- | --- | --- | --- | +5 | +13 | +7 | ±0 | --- | --- | --- |
| S20 | B DRV+- | --- | +6 | -25 | -9 | ±0 | --- | --- | --- | --- | +6 | -25 | -9 | ±0 | --- | --- | --- |
| S21 | NTSC MAT | 3 | 3 | 1 | 1 | 2 | 2 | 1 | 1 | 3 | 3 | 1 | 1 | 2 | 2 | 1 | 1 |
| S22 | BLACK ST | 3 | --- | 2 | --- | --- | --- | --- | --- | 3 | --- | 2 | --- | --- | --- | --- | --- |
| S23 | DCREST | 1 | --- | 1 | --- | --- | --- | --- | --- | 1 | --- | 1 | --- | --- | --- | --- | --- |
| S24 | DCRSW | 0 | --- | 0 | --- | --- | --- | --- | --- | 0 | --- | 0 | --- | --- | --- | --- | --- |

**1.V/C(S) (3/5)**

| No. | Setting item | Initial setting value | | | | |
|---|---|---|---|---|---|---|
| | | AV-36FA54 | | | | |
| | | AYA | | | | |
| | | RF | | | EXTERNAL (S, CV) (4:3) | EXTERNAL (COMPONENT) (4:3) |
| | | STANDARD (4:3) | STANDARD (16:9) | THEATER (4:3) | | |
| S01 | BRIGHT | 64 | --- | --- | --- | --- |
| S02 | PICTURE | 60 | --- | --- | --- | --- |
| S03 | COLOR | 50 | --- | --- | --- | 44 |
| S04 | TINT | 68 | --- | --- | --- | 69 |
| S05 | DETAIL | 33 | --- | --- | 35 | 40 |
| S06 | BRIGHT +- | --- | 0 | +1 | -2 | ±0 |
| S07 | PICT+- | --- | -8 | -10 | ±0 | -3 |
| S08 | COLOR +- | --- | 0 | -3 | -2 | --- |
| S09 | TINT+- | --- | 0 | -3 | ±0 | --- |
| S10 | DETAIL+- | --- | --- | 0 | --- | --- |

| No. | Setting item | Initial setting value | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | AV-36FA54 | | | | | | | |
| | | AYA | | | | | | | |
| | | RF/EXT (S,CV) | | | | EXT (COMPONENT) | | | |
| | | STANDARD | | THEATER | | STANDARD | | THEATER | |
| | | LOW | HIGH | LOW | HIGH | LOW | HIGH | LOW | HIGH |
| S11 | R CUT OFF | 30 | --- | --- | --- | --- | --- | --- | --- |
| S12 | G CUT OFF | 30 | --- | --- | --- | --- | --- | --- | --- |
| S13 | B CUT OFF | 30 | --- | --- | --- | --- | --- | --- | --- |
| S14 | R DRIVE | 64 | --- | --- | --- | --- | --- | --- | --- |
| S15 | B DRIVE | 64 | --- | --- | --- | --- | --- | --- | --- |
| S16 | R CUT+- | --- | ±0 | ±0 | ±0 | -10 | --- | --- | --- |
| S17 | G CUT+- | --- | ±0 | ±0 | ±0 | ±0 | --- | --- | --- |
| S18 | B CUT+- | --- | ±0 | ±0 | ±0 | -10 | --- | --- | --- |
| S19 | R DRV+- | --- | +5 | +13 | +7 | ±0 | --- | --- | --- |
| S20 | B DRV+- | --- | +6 | -25 | -9 | ±0 | --- | --- | --- |
| S21 | NTSC MAT | 3 | 3 | 1 | 1 | 2 | 2 | 1 | 1 |
| S22 | BLACK ST | 3 | --- | 2 | --- | --- | --- | --- | --- |
| S23 | DCREST | 1 | --- | 1 | --- | --- | --- | --- | --- |
| S24 | DCRSW | 0 | --- | 0 | --- | --- | --- | --- | --- |

**1.V/C(S) (4/5)**

| No. | Setting item | Initial setting value | | |
|---|---|---|---|---|
| | | RF | EXTERNAL | COMPONENT |
| S25 | ASY SHRP | 4 | 4 | 4 |
| S26 | BPF F0 | 0 | 0 | --- |
| S27 | KILR OFF | 0 | 0 | --- |
| S28 | KILR SEN | 1 | 1 | --- |

**1.V/C(S) (5/5)**

| No. | Setting item | Initial setting value | | | | |
|---|---|---|---|---|---|---|
| | | AV-27FA54 | | AV-32FA54 | | AV-36FA54 |
| | | ASA | AZA | AYA | AZA | AYA |
| S29 | RGB MUTE | 0 | ← | 0 | 0 | 0 |
| S30 | BLUE B | 0 | ← | 0 | 0 | 0 |
| S31 | VIDEO SW | 3 | ← | 3 | 3 | 3 |
| S32 | CMP ABCL | 0 | ← | 0 | 0 | 0 |
| S33 | OSD ABL | 0 | ← | 0 | 0 | 0 |
| S34 | OSD CONT | 7 | ← | 8 | 8 | 8 |
| S35 | SUB CONT | 5 | ← | 5 | 5 | 5 |
| S36 | ABL GAIN | 0 | ← | 0 | 0 | 0 |
| S37 | ABL PNT | 3 | ← | 3 | 3 | 3 |
| S38 | Y GAMMA | 1 | ← | 1 | 1 | 1 |
| S39 | Y MUTE | 0 | ← | 0 | 0 | 0 |
| S40 | SVM GAIN | 3 | ← | 3 | 3 | 3 |
| S41 | SVM PH | 1 | ← | 1 | 1 | 1 |
| S42 | WPL | 0 | ← | 0 | 0 | 0 |
| S43 | COL GMM | 0 | ← | 0 | 0 | 0 |
| S44 | V1 GAIN | 4 | ← | 4 | 4 | 4 |
| S45 | AGC ADJ | 63 | ← | 63 | 63 | 63 |
| S46 | VMOFF DE | +3 | ← | +3 | +3 | +3 |
| S47 | APC CLK | 1 | ← | 1 | 1 | 1 |
| S48 | PIP ADJ | 4 | ← | 8 | 8 | 10 |

**2.DEF (D)**

| No. | Setting item | Initial setting value | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AV-27FA54 | | | | | | AV-32FA54 | | | | | | AV-36FA54 | | |
| | | ASA | | | AZA | | | AYA | | | AZA | | | AYA | | |
| | | RF (4:3) | RF (16:9) | EXT (4:3) | RF (4:3) | RF (16:9) | EXT (4:3) | RF (4:3) | RF (16:9) | EXT (4:3) | RF (4:3) | RF (16:9) | EXT (4:3) | RF (4:3) | RF (16:9) | EXT (4:3) |
| D01 | V FREQ | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 3 |
| D02 | AFC GAIN | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 2 |
| D03 | H POSI | 20 | --- | 20 | 20 | --- | 20 | 25 | --- | 25 | 25 | --- | 25 | 22 | --- | 22 |
| D04 | H POSI+- | --- | 0 | --- | --- | 0 | --- | --- | 0 | --- | --- | 0 | --- | --- | 0 | --- |
| D05 | V PHASE | 0 | --- | 0 | 0 | --- | 0 | 0 | --- | 0 | 0 | --- | 0 | 0 | --- | 0 |
| D06 | V PH+- | --- | 0 | --- | --- | 0 | --- | --- | 0 | --- | --- | 0 | --- | --- | 0 | --- |
| D07 | V SIZE | 90 | --- | 90 | 80 | --- | 80 | 80 | --- | 80 | 65 | --- | 65 | 80 | --- | 80 |
| D08 | V SIZE+- | --- | -30 | --- | --- | -25 | --- | --- | -30 | --- | --- | -30 | --- | --- | -30 | --- |
| D09 | V CENTER | 32 | --- | 32 | 32 | --- | 32 | 15 | --- | 15 | 35 | --- | 35 | 15 | --- | 15 |
| D10 | V CENT+- | --- | 0 | --- | --- | 0 | --- | --- | 0 | --- | --- | 0 | --- | --- | 0 | --- |
| D11 | V S CORR | 9 | --- | 9 | 9 | --- | 9 | 12 | --- | 12 | 8 | --- | 8 | 11 | --- | 11 |
| D12 | V S CO+- | --- | 0 | --- | --- | 0 | --- | --- | 0 | --- | --- | 0 | --- | --- | 0 | --- |
| D13 | V LIN | 10 | --- | 10 | 10 | --- | 10 | 9 | --- | 9 | 9 | --- | 9 | 8 | --- | 8 |
| D14 | V LIN+- | --- | 0 | --- | --- | 0 | --- | --- | 0 | --- | --- | 0 | --- | --- | 0 | --- |
| D15 | H SIZE | 33 | --- | 33 | 33 | --- | 33 | 31 | --- | 31 | 31 | --- | 31 | 30 | --- | 30 |
| D16 | H SIZE+- | --- | 0 | --- | --- | 0 | --- | --- | 0 | --- | --- | 0 | --- | --- | 0 | --- |
| D17 | WVMT TOP | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| D18 | WVMT BTM | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| D19 | EWCR TOP | 12 | --- | 12 | 12 | --- | 12 | 13 | --- | 13 | 13 | --- | 13 | 8 | --- | 8 |
| D20 | EWCR T+- | --- | 0 | --- | --- | 0 | --- | --- | 0 | --- | --- | 0 | --- | --- | 0 | --- |
| D21 | EWCR BTM | 14 | --- | 14 | 14 | --- | 14 | 13 | --- | 13 | 13 | --- | 13 | 8 | --- | 8 |
| D22 | EWCR B+- | --- | 0 | --- | --- | 0 | --- | --- | 0 | --- | --- | 0 | --- | --- | 0 | --- |
| D23 | EW PARA | 36 | --- | 36 | 36 | --- | 36 | 35 | --- | 35 | 35 | --- | 35 | 37 | --- | 37 |
| D24 | EW PARA+- | --- | -15 | --- | --- | -15 | --- | --- | -16 | --- | --- | -16 | --- | --- | -14 | --- |
| D25 | V EHT | 0 | --- | 0 | 0 | --- | 0 | 0 | --- | 0 | 0 | --- | 0 | 0 | --- | 0 |
| D26 | V EHT+- | --- | 0 | --- | --- | 0 | --- | --- | 0 | --- | --- | 0 | --- | --- | 0 | --- |
| D27 | H EHT | 0 | --- | 0 | 0 | --- | 0 | 0 | --- | 0 | 0 | --- | 0 | 0 | --- | 0 |
| D28 | H EHT+- | --- | 0 | --- | --- | 0 | --- | --- | 0 | --- | --- | 0 | --- | --- | 0 | --- |
| D29 | TRAPEZ | 31 | --- | 31 | 31 | --- | 31 | 0 | --- | 36 | 36 | --- | 36 | 32 | --- | 32 |
| D30 | TRAPEZ+- | --- | 0 | --- | --- | 0 | --- | --- | 0 | --- | --- | 0 | --- | --- | 0 | --- |
| D31 | V AGC | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| D32 | BLANK SW | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| D33 | VRMP BI | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

**3.SOUND(A)**

| No. | Setting item | Initial setting value |
|---|---|---|
| A01 | IN LEVEL | 10 |
| A02 | LOW SEP | 32 |
| A03 | HI SEP | 32 |
| A04 | SAPC | 0 |

| No. | Setting item | Initial setting value |
|---|---|---|
| A05 | BBE BASS | +6 |
| A06 | BBE TRE | +6 |
| A07 | AHS MVE | 0 |
| A08 | AHS MSC | 0 |

**4.OTHERS(F) [Do not adjust : All fixed]**

| No. | Setting item (Not display) | Initial setting value | | | | |
|---|---|---|---|---|---|---|
| | | AV-27FA54 | | AV-32FA54 | | AV-36FA54 |
| | | ASA | AZA | AYA | AZA | AYA |
| F01 | (OSD POSI) | 37 | ← | 37 | ← | 37 |
| F02 | (OSD FREQ) | 90 | ← | 90 | ← | 90 |
| F03 | (CCD POSI) | 39 | ← | 45 | ← | 45 |
| F04 | (CCD FREQ) | 91 | ← | 93 | ← | 93 |
| F05 | (CCD CONT) | 3 | ← | 4 | ← | 4 |
| F06 | (PUR WBCK) | 0 | ← | 0 | ← | 0 |
| F07 | (PUR CONT) | 2 | ← | 2 | ← | 2 |
| F08 | (SN TYPE) | 0 | ← | 0 | ← | 0 |
| F09 | (YCSN TM) | 5 | ← | 5 | ← | 5 |
| F10 | (YCSN E) | 5 | ← | 5 | ← | 5 |
| F11 | (YCSN F) | 16 | ← | 16 | ← | 16 |
| F12 | (YCSN G) | 32 | ← | 32 | ← | 32 |
| F13 | (VNR CHK) | 3 | ← | 3 | ← | 3 |
| F14 | (VCSN TM) | 5 | ← | 5 | ← | 5 |
| F15 | (VCSN 1) | 0 | ← | 0 | ← | 0 |
| F16 | (VCSN 2) | 10 | ← | 10 | ← | 10 |
| F17 | (VCSN 3) | 20 | ← | 20 | ← | 20 |
| F18 | (VCSN STP) | 2 | ← | 2 | ← | 2 |
| F19 | (VN DAT A) | +8 | ← | +8 | ← | +8 |
| F20 | (VM DAT B) | -8 | ← | -8 | ← | -8 |
| F21 | (VM DAT C) | -20 | ← | -20 | ← | -20 |
| F22 | (VM DAT D) | -32 | ← | -32 | ← | -32 |
| F23 | (VM DAT E) | 1 | ← | 1 | ← | 1 |
| F24 | (VMOFF TY) | 1 | ← | 1 | ← | 1 |
| F25 | (YC VMOFF) | 255 | ← | 255 | ← | 255 |
| F26 | (EZSF TM) | 40 | ← | 40 | ← | 40 |
| F27 | (XDSID TM) | 15 | ← | 15 | ← | 15 |
| F28 | (FM TRAP) | 1 | ← | 1 | ← | 1 |

**6.3L Y/C(LYC) [Do not adjust : All fixed]**

| No. | Setting item (Not display) | Initial setting value |
|---|---|---|
| LYC01 | (MODE) | 4 |
| LYC02 | (VENH) | 1 |
| LYC03 | (PDSOFF) | 0 |
| LYC04 | (CB) | 0 |
| LYC05 | (VNLR) | 2 |
| LYC06 | (GSEL0) | 0 |
| LYC07 | (GSEL1) | 1 |
| LYC08 | (COR) | 0 |
| LYC09 | (TRAP) | 1 |
| LYC10 | (CHTRAP) | 0 |
| LYC11 | (CBPF) | 0 |
| LYC12 | (ENHOFF) | 0 |

**5.PIP(PIP)**

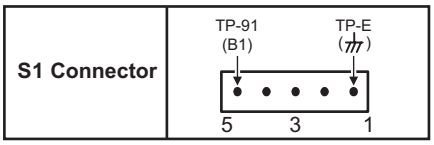
| No. | Setting item | Initial setting value | | |
|---|---|---|---|---|
| | | AV-27FA54 | | AV-32FA54 AV-36FA54 |
| | | ASA | AZA | |
| PIP01 | BRIGHT | 0 | 3 | 0 |
| PIP02 | PICTURE | 30 | 30 | 30 |
| PIP03 | TINT | 42 | 42 | 42 |
| PIP04 | COLOR | 6 | 6 | 6 |
| PIP05 | R CUTOFF | 0 | 0 | 0 |
| PIP06 | G CUTOFF | 0 | 0 | 0 |
| PIP07 | B CUTOFF | 0 | 0 | 0 |
| PIP08 | R DRIVE | 63 | 63 | 63 |
| PIP09 | G DRIVE | 65 | 65 | 65 |
| PIP10 | B DRIVE | 65 | 65 | 65 |
| PIP11 | L POSI | 22 | 22 | 22 |
| PIP12 | R POSI | 15 | 15 | 15 |
| PIP13 | UPR POSI | 12 | 12 | 12 |
| PIP14 | LWR POSI | 11 | 11 | 11 |
| PIP15 | PICT LCK | 1 | 1 | 1 |
| PIP16 | SELDEL | 0 | 0 | 0 |
| PIP17 | AGCFIX | 1 | 1 | 1 |
| PIP18 | AGCADST | 0 | 0 | 0 |
| PIP19 | AGC | 7 | 7 | 7 |
| PIP20 | BLKINVB | 0 | 0 | 0 |
| PIP21 | BLKINVR | 0 | 0 | 0 |
| PIP22 | VSPDEL | 0 | 0 | 0 |
| PIP23 | VSPISQ | 1 | 1 | 1 |
| PIP24 | RGBIN | 0 | 0 | 0 |
| PIP25 | FRSEL | 1 | 1 | 1 |
| PIP26 | OUTFOR | 0 | 0 | 0 |
| PIP27 | UVPOLAR | 0 | 0 | 0 |
| PIP28 | MAT | 1 | 1 | 1 |
| PIP29 | YCOR | 1 | 1 | 1 |
| PIP30 | XFREQF | 1 | 1 | 1 |
| PIP31 | WTCHDG | 1 | 1 | 1 |
| PIP32 | COLON | 0 | 0 | 0 |
| PIP33 | ACQNEW | 0 | 0 | 0 |
| PIP34 | DSTDET | 1 | 1 | 1 |
| PIP35 | CRIBEOK | 0 | 0 | 0 |
| PIP36 | FCBEOK | 0 | 0 | 0 |
| PIP37 | NOCRID | 0 | 0 | 0 |
| PIP38 | NONSED | 0 | 0 | 0 |
| PIP39 | BRI EXT | 0 | 0 | 0 |
| PIP40 | PCT EXT | 0 | 0 | 0 |
| PIP41 | TNT EXT | 0 | 0 | 0 |
| PIP42 | COR EXT | 0 | 0 | 0 |
| PIP43 | R-D EXT | 0 | 0 | 0 |
| PIP44 | G-D EXT | 0 | 0 | 0 |
| PIP45 | B-D EXT | 0 | 0 | 0 |
| PIP46 | BRT COMP | 0 | 0 | 0 |
| PIP47 | PCT COMP | 0 | 0 | 0 |
| PIP48 | TNT COMP | 40 | 40 | 40 |
| PIP49 | COR COMP | 5 | 5 | 5 |
| PIP50 | R-D COMP | 0 | 0 | 0 |
| PIP51 | G-D COMP | 0 | 0 | 0 |
| PIP52 | B-D COMP | 0 | 0 | 0 |

**12.SYSTEM(SYS) [Do not adjust : All fixed]**

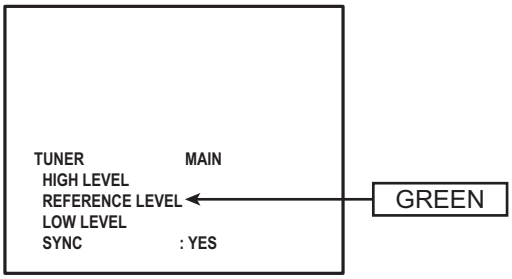
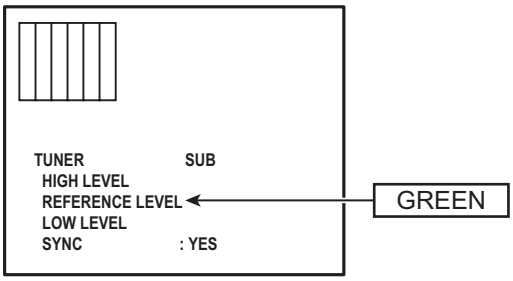
| No. | Setting item | Initial setting value | |
|---|---|---|---|
| | | AV-27FA54 AV-32FA54 | AV-36FA54 |
| SYS01 | VIDEO IN | 4 | 4 |
| SYS02 | PIP | 1 | 1 |
| SYS03 | 3D Y/C | 0 | 0 |
| SYS04 | Y CV | 1 | 1 |
| SYS05 | CCD PCHK | 1 | 1 |
| SYS06 | PURITY | 0 | 1 |
| SYS07 | VM | 1 | 1 |
| SYS08 | NOISE CR | 0 | 0 |
| SYS09 | CLR TEMP | 1 | 1 |
| SYS10 | THEATER | 1 | 1 |
| SYS11 | THEATER PRO | 1 | 1 |
| SYS12 | BBE | 1 | 1 |
| SYS13 | SOUND | 2 | 2 |
| SYS14 | 16:9 MD | 1 | 1 |
| SYS15 | HYP SCAN | 1 | 1 |
| SYS16 | EZ SURF | 1 | 1 |
| SYS17 | ID DISP | 1 | 1 |
| SYS18 | COMPULINK | 1 | 1 |
| SYS19 | CCD | 1 | 1 |
| SYS20 | VCHIP | 1 | 1 |
| SYS21 | VCHIP CA | 1 | 1 |
| SYS22 | JVC LOGO | 1 | 1 |
| SYS23 | CMP IN | 1 | 1 |
| SYS24 | CXA1875 | 0 | 0 |
| SYS25 | PIM | 1 | 1 |
| SYS26 | GAME MD | 0 | 0 |
| SYS27 | VOL MUTE | 1 | 1 |

## 4.7 ADJUSTMENT PROCEDURE

### 4.7.1 CHECK ITEM

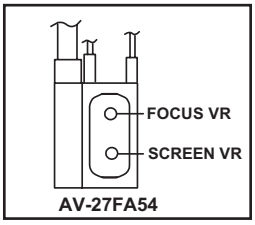
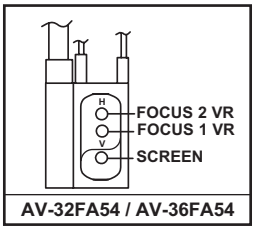
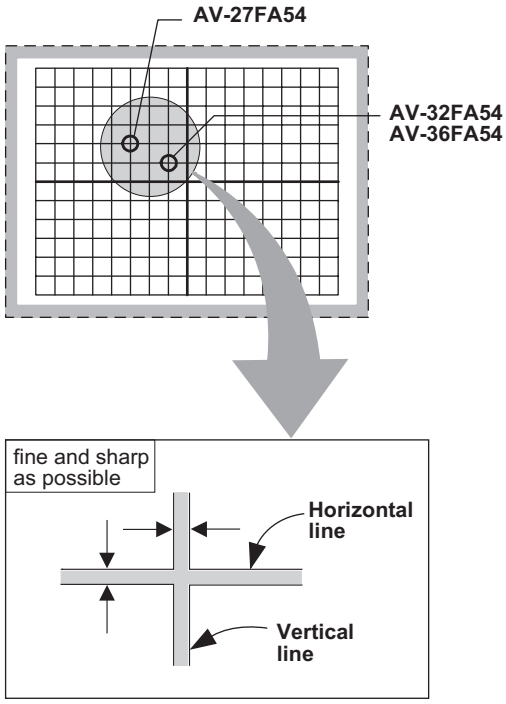
| Item | Measuring instrument | Test point | Adjustment part | Description |
|---|---|---|---|---|
| **B1 POWER SUPPLY check** | DC voltmeter | S1 Connector (TP-E & TP-91(B1)) | | (1) Receive the black-and-white signal. (color off)<br>(2) Connect the DC voltmeter to the TP-E and TP-91(B1) of S1 connector.<br>(3) Confirm that the voltage is DC134.5V±2V.<br>  |

### 4.7.2 TUNER / IF CIRCUIT

| Item | Measuring instrument | Test point | Adjustment part | Description |
|---|---|---|---|---|
| **MAIN IF VCO** | Signal generator<br><br>Remote control unit | | [10.VCO]<br><br>CW TRANSF.(T111) [MAIN PWB] | • It must not adjust without signal<br>(1) Receive color bar signal.<br>(2) Enter the SERVICE MENU.<br>(3) Select the 10.VCO.<br>(4) Push the [VOL ◂ / ▸ ] key, and select the MAIN.<br>(5) Confirm that the color change from HIGH LEVEL to LOW LEVEL by CW TRANSF at MAIN PWB, and check the SYNC : YES.<br>(6) Adjust until REFERENCE LEVEL mark turns green. And then confirm that the SYNC : YES again.<br>(7) Press the [EXIT] key to get out SERVICE MENU. |
|  | | | | |
| **PIP IF VCO** | Signal generator<br><br>Remote control unit | | [10.VCO]<br><br>CW TRANSF. (T4111) [PIP PWB] | • It must not adjust without signal<br>(1) Receive color bar signal.<br>(2) Enter the SERVICE MENU.<br>(3) Select the 10.VCO.<br>(4) Push the [VOL ◂ / ▸ ] key, and select SUB.<br>(5) Confirm that the color change from HIGH LEVEL to LOW LEVEL by CW TRANSF at PIP PWB, and check the SYNC : YES.<br>(6) Adjust until REFERENCE LEVEL mark turns green. And then confirm that the SYNC : YES again.<br>(7) Press the [EXIT] key to get out SERVICE MENU. |
|  | | | | |
| **RF AGC** | Remote control unit | | [1.V/C (S)]<br>S45: AGC ADJ | (1) Receive a black and white signal (color off).<br>(2) Enter the SERVICE MENU.<br>(3) Select < S45 > (AGC ADJ) of the 1. V/C(S).<br>(4) Press the [MUTING] key and turn off color.<br>(5) With the [VOL ◂ ] key to get the noise in the screen picture (zero side of setting value).<br>(6) Press the [VOL ▸ ] key several times and step when noise disappears from the screen (at that time, not to increase the value too much).<br>(7) Change to other channels and make sure that there is no irregularity.<br>(8) Press the [EXIT] key and get color out. |

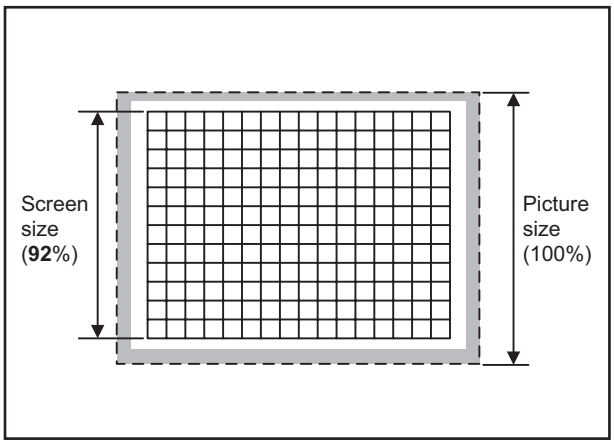
| Adjustment item | Initial setting value |
|---|---|
| **S45: AGC ADJ** | 63 |

### 4.7.3 FOCUS

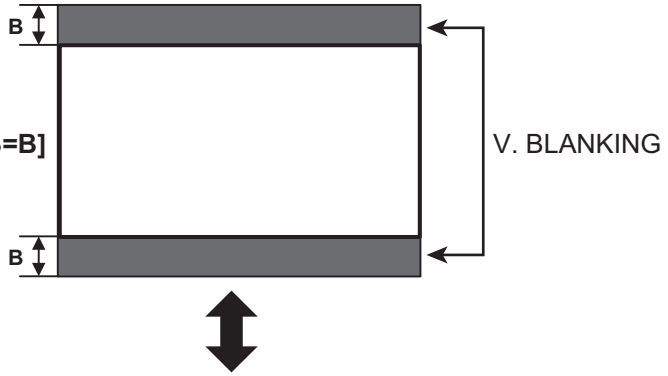
<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td rowspan="2">FOCUS</td><td rowspan="2">Signal generator</td><td rowspan="2"></td><td>AV-27FA54<br>FOCUS VR<br>[In HVT]</td><td>(1) Receive the cross-hatch signal.<br>(2) Select the STANDARD mode.<br>(3) While watching the screen, adjust the FOCUS VR (Fig.2) to make the vertical and horizontal lines as fine and sharp as possible. (Fig.1)<br>(4) Make sure that when the screen is darkened, the lines remain in good focus.<br>  <br><br>Fig.2</td></tr>
<tr><td>AV-32FA54<br>AV-36FA54<br>FOCUS 1 VR<br>FOCUS 2 VR<br>[In HVT]</td><td>(1) Receive the cross-hatch signal.<br>(2) Select the STANDARD mode.<br>(3) While watching the screen, adjust the FOCUS 2 VR (Fig.3) to make the vertical and horizontal lines as fine and sharp as possible. (Fig.1)<br>(4) Then adjust the FOCUS 1 VR (Fig.3) to make the vertical lines as fine and sharp as position. (Fig.1)<br>(5) Make sure that when the screen is darkened, the lines remain in good focus.<br>  <br><br>Fig.3</td></tr>
<tr><td colspan="4">  <br><br>Fig.1</td></tr>
</table>

### 4.7.4 DEFLECTION CIRCUIT

- The setting (adjustment) using the remote control unit is made on the basis of the initial setting values.
- The setting values which adjust the screen to the optimum condition can be different from the initial setting values.

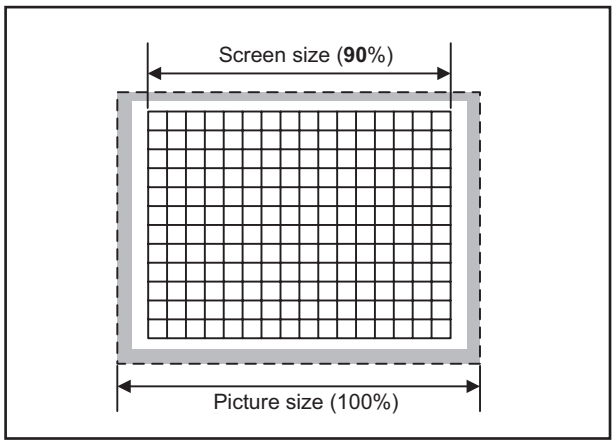
<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td rowspan="2">V. SIZE /<br>V. POSITION<br>(4:3)</td><td rowspan="2">Signal generator<br><br>Remote control unit</td><td rowspan="2"></td><td>AV-27FA54<br>[2.DEF (D)]<br>D05: V PHASE<br>D07: V SIZE<br><br>V. CENTER SW<br>(S1421)<br>[MAIN PWB]</td><td>(1) Receive the cross-hatch signal.<br>(2) Enter the SERVICE MENU.<br>(3) Select the < D05 > (V PHASE) of the 2.DEF(D).<br>(4) Check that the value of < D05 > is 0.<br>(5) Adjust the vertical screen size of the visible screen top to 92% with the < D07 > (V SIZE) and V CENTER SW.<br>NOTE :<br>• Bottom is to be located with 85%~95% range.<br>• When vertical linearity is not even, adjust vertical linearity by < D13 > (V LIN) and < D11 > (VS CORR).</td></tr>
<tr><td>AV-32FA54<br>AV-36FA54<br>[2.DEF (D)]<br>D05: V PHASE<br>D07: V SIZE<br>D09: V CENTER</td><td>(1) Receive the cross-hatch signal.<br>(2) Enter the SERVICE MENU.<br>(3) Select the < D05 > (V PHASE) of the 2.DEF(D).<br>(4) Check that the value of < D05 > is 0.<br>(5) Adjust the vertical screen size of the visible screen top to 92% with the < D07 > (V SIZE) and < D09 > (V CENTER).<br>NOTE :<br>• Bottom is to be located with 85%~95% range.<br>• When vertical linearity is not even, adjust vertical linearity by < D13 > (V LIN) and < D11 > (VS CORR).</td></tr>
<tr><td colspan="4"> 
</td><td><table>
<tr><th rowspan="3">Adjustment item</th><th colspan="5">Initial setting value</th></tr>
<tr><th colspan="2">AV-27FA54</th><th colspan="2">AV-32FA54</th><th rowspan="2">AV-36FA54</th></tr>
<tr><th>ASA</th><th>AZA</th><th>AYA</th><th>AZA</th></tr>
<tr><td>D05: V PHASE</td><td colspan="2">0</td><td colspan="2">0</td><td>0</td></tr>
<tr><td>D07: V SIZE</td><td>90</td><td>80</td><td>80</td><td>65</td><td>80</td></tr>
<tr><td>D09: V CENTER</td><td colspan="2">32</td><td>15</td><td>35</td><td>15</td></tr>
</table></td></tr>
</table>

| Item | Measuring instrument | Test point | Adjustment part | Description |
|---|---|---|---|---|
| **V. SIZE / V. POSITION (16:9)** | Signal generator<br><br>Remote control unit | | [2.DEF (D)]<br>D08: V. SIZE+-<br>D14: V. LIN+- | • V. SIZE / V. POSITION (4:3) adjustment should be finished.<br>(1) Receive a black and white signal (color off).<br>(2) Select 16:9 mode with the [ASPECT] key.<br>(3) Confirm that the width of V. BLANKING is equal to adjustment value (B).<br>(4) If the adjustment is not correct, enter the SERVICE MENU.<br>(5) Then adjust the < D08 > (V. SIZE+-) and < D14 > (V. LIN+-) to be same to adjustment value (B).<br>**NOTE :**<br>• When you change the VERTICAL adjustment value of the regular mode (4:3), review the adjustment of 16:9 mode again. |



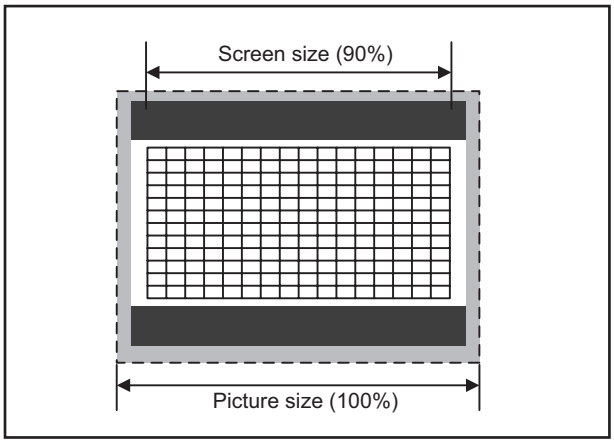

| Adj. point | Setting item | Setting value | |
|---|---|---|---|
| **B** | **D08: V. SIZE+-<br>D14: V. LIN+-** | 50mm | **[AV-27FA54]** |
| | | 60mm | **[AV-32FA54]** |
| | | 67mm | **[AV-36FA54]** |

| Item | Measuring instrument | Test point | Adjustment part | Description |
|---|---|---|---|---|
| **H. SIZE / H. POSITION / SIDE PIN (4:3)** | Signal generator<br><br>Remote control unit | | [2.DEF (D)]<br>D03: H POSI<br>D15: H SIZE<br>D23: EW PARA<br>D19: EWCR TOP<br>D21: EWCR BTM | • V. SIZE / V. POSITION adjustment should be finished.<br>(1) Receive a cross-hatch signal.<br>(2) Enter the SERVICE MENU.<br>(3) Select the < D03 > (H POSI) of the 2.DEF (D).<br>(4) Adjust by H. POSITION to be same size at both side.<br>(5) Then adjust the horizontal size of the visible screen at both size to 90% with the < D15 > (H. SIZE).<br>(6) And adjust the vertical line at both side to become linear line by < D23 > (EW PARA).<br>(7) Confirm the linearity of vertical line and horizontal size.<br>(8) If it is necessary, readjust 1.~7.<br>**NOTE :**<br>• If it is not straight the vertical upper and bottom corner line adjustment the upper and bottom corner pin by < D19 > (EWCR TOP) and < D21 > (EWCR BTM). |



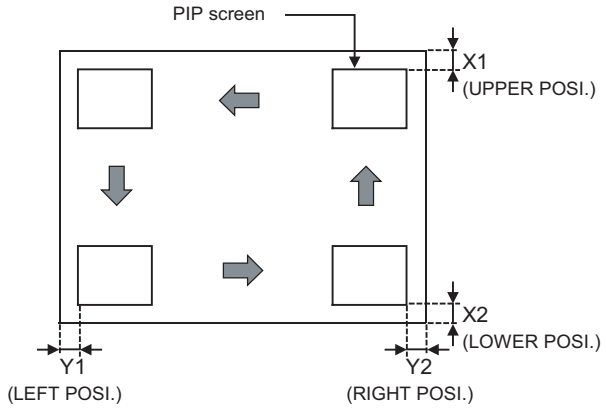

| Setting item | Initial setting value | | |
|---|---|---|---|
| | AV-27FA54 | AV-32FA54 | AV-36FA54 |
| **D03: H POSI** | 20 | 25 | 22 |
| **D15: H SIZE** | 33 | 31 | 30 |
| **D19: EWCR TOP** | 12 | 13 | 8 |
| **D21: EWCR BTM** | 14 | 13 | 8 |
| **D23: EW PARA** | 36 | 35 | 37 |

| Item | Measuring instrument | Test point | Adjustment part | Description |
|---|---|---|---|---|
| **H. POSITION / H. SIZE / SIDE PIN (16:9)** | Signal generator<br><br>Remote control unit | | [2.DEF (D)]<br>D16: H SIZE+-<br>D04: H POSI+-<br>D24: EW PARA+-<br>D20: EWCR T+-<br>D22: EWCR B+- | • V. SIZE / V. POSITION adjustment should be finished.<br>• H. SIZE / H. POSITION / SIDE PIN adjustment should be finished. (Regular size(4:3)).<br>(1) Receive the cross-hatch signal.<br>(2) Select 16:9 mode with the [ASPECT] key.<br>(3) Enter the SERVICE MENU.<br>(4) Confirm both sides of cross-hatch to be the adjustment value 90%.<br>(5) If it not correct, adjust to be value 90% at the < D16 > (H SIZE+-) and < D04 > (H POSI+-).<br>(6) Confirm the vertical SECOND line from lift and right to be straight.<br>(7) If it is not straight, adjust to be straight at < D24 > (EW PARA+-), < D20 > (EWCR T+-) and < D22 > (EWCR B+-).<br>**NOTE :**<br>• Review the adjustment of 16:9 mode again when you change the SIDE PIN adjustment value of regular (4:3) mode. |




| Setting item | Initial setting value | | |
|---|---|---|---|
| | AV-27FA54 | AV-32FA54 | AV-36FA54 |
| D04: H POSI+- | 0 | | |
| D16: H SIZE+- | 0 | | |
| D20: EWCR T+- | 0 | | |
| D22: EWCR B+- | 0 | | |
| D24: EW PARA+- | -15 | -16 | -14 |

| | | | | |
|---|---|---|---|---|
| **PIP DISPLAY POSITION** | Signal generator<br><br>Remote control unit | | [5.PIP(PIP)]<br>PIP11: L POSI<br>PIP12: R POSI<br>PIP13: UPR POSI<br>PIP14: LWR POSI | • Main picture' s V. HEIGHT, V. POSI, H. SIZE, H. POSI. Should be finished.<br>• Set the VIDEO STATUS to STANDARD.<br>(1) Receive a black -and- white signal (color off)<br>(2) Enter the SERVICE MENU.<br>(3) Select the 5 PIP(PIP).<br>(4) Set the initial setting value of the < PIP13 > (UPR POSI).<br>(5) Adjust the <PIP13> so that upper position of the PIP screen edge will be the value of X1 as shown.<br>(6) Adjust the corresponding modes of < PIP14 > (LWR POSI), < PIP11 > (L POSI), < PIP12 > (R POSI) with the same steps as 3~5 above. |

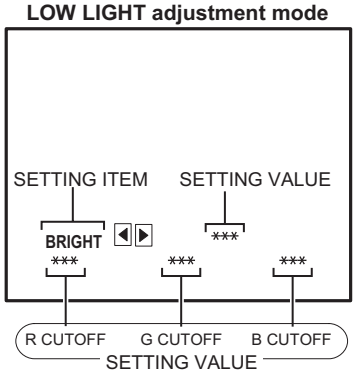



| Adjustment item | Initial setting value | Setting item | |
|---|---|---|---|
| | | Position | Adjustment value |
| PIP11: L POSI | 22 | Y1 (Left) | 80% |
| PIP12: R POSI | 15 | Y2 (Right) | 80% |
| PIP13: UPR POSI | 12 | X1 (Upper) | 80% |
| PIP14: LWR POSI | 11 | X2 (Lower) | 80% |

### 4.7.5 VIDEO CIRCUIT

| Item | Measuring instrument | Test point | Adjustment part | Description |
|---|---|---|---|---|
| **MAIN WHITE BALANCE (Low Light)** | Signal generator<br><br>Remote control unit | | [1.V/C (S)]<br>S01: BRIGHT<br>S11: R CUTOFF<br>S12: G CUTOFF<br>S13: B CUTOFF<br><br>[7.LOW LIGHT]<br><br>SCREEN VR<br>[in HVT] | (1) Receive the black and white signal ( color off ).<br>(2) Enter the SERVICE MENU.<br>(3) Select the 1.V/C (S).<br>(4) Confirm the initial setting value of < S11 > (R CUTOFF), < S12 > (G CUTOFF), < S13 > (B CUTOFF) and < S01 > (BRIGHT).<br>(5) Return the SERVICE MENU and select the 7.LOW LIGHT.<br>(6) Display a single horizontal line by pressing the [1] key.<br>(7) Turn the SCREEN VR all the way to the left.<br>(8) Turn the SCREEN VR gradually to the right from the left until either one of the red, blue or green colors appears faintly.<br>(9) Adjust the two colors which did not appear until the single horizontal line that is displayed becomes white using the [4] ~ [9] keys.<br>(10) Turn the SCREEN VR until the single horizontal line is displayed faintly.<br>(11) Press the [2] key to cancel the single horizontal line mode.<br>(12) Adjust the BRIGHT level to become the black component shines white slightly.<br>(13) Confirm that whether the color ingredient of R, G, or B is visible to the black component, which shines white slightly.<br>(14) When the color ingredient can be seen, two colors other than a visible color are adjusted, and it is made to look white.<br>(15) Return the value of < S01 > to initial setting value.<br><br>• The [3] (EXIT) key is the cancel key for the WHITE BALANCE. |

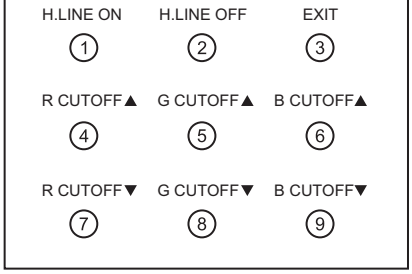
**LOW LIGHT adjustment mode**

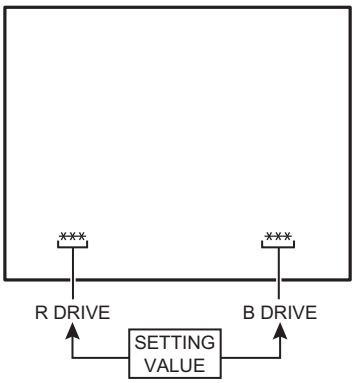
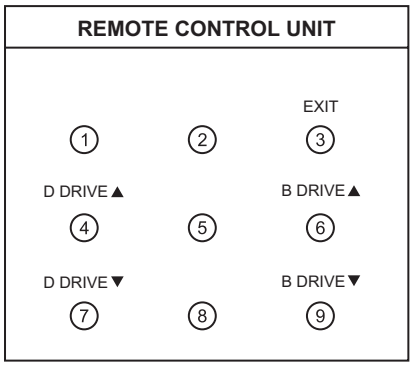
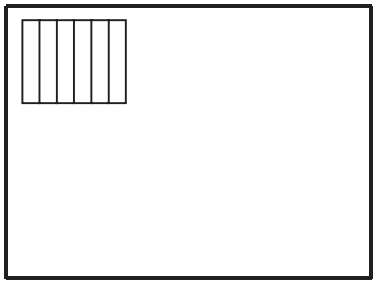


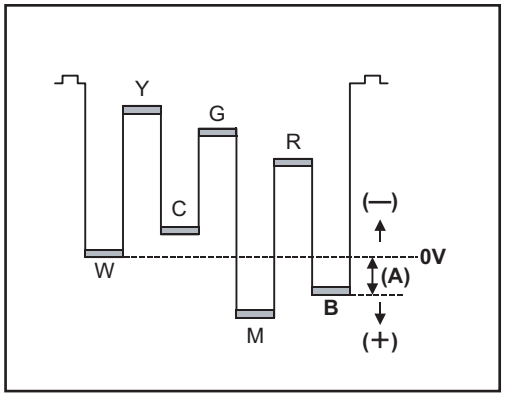

**SINGLE HORIZONTAL LINE**

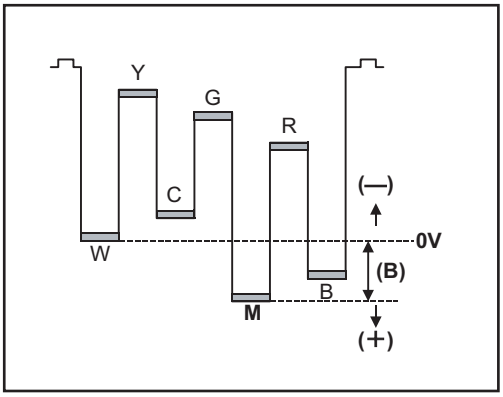
| Adjustment item | Initial setting value |
|---|---|
| **S11: R CUT OFF** | 30 |
| **S12: G CUT OFF** | 30 |
| **S13: B CUT OFF** | 30 |
| **S01: BRIGHT** | 64 |

**REMOTE CONTROL UNIT**

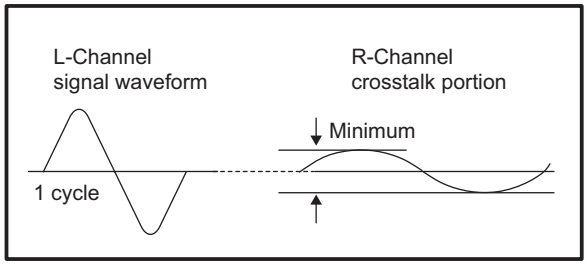


<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td>MAIN WHITE BALANCE (High Light)</td><td>Signal generator<br><br>Remote control unit</td><td></td><td>[1.V/C (S)]<br>S14: R DRIVE<br>S15: B DRIVE<br><br>[8.HIGH LIHGT]</td><td rowspan="2">(1) Receive the black-and-white signal (color off).<br>(2) Enter the SERVICE MENU.<br>(3) Select the 1.V/C (S).<br>(4) Set the initial setting value of < S14 > (R DRIVE) and < S15 > (B DRIVE).<br>(5) Return the SERVICE MENU and select the 8.HIGH LIGHT.<br>(6) Adjust the screen until it becomes white using the [4], [6], [7] and [9] keys.<br><br>• The [3] (EXIT) key is the cancel key for the WHITE BALANCE.<br><br><table><tr><th>Adjustment item</th><th>Initial setting value</th></tr><tr><td>S14: R DRIVE</td><td>64</td></tr><tr><td>S15: G DRIVE</td><td>64</td></tr></table></td></tr>
<tr><td colspan="4">HIGH LIGHT adjustment mode<br>  <br><br>  <br></td></tr>
<tr><td>PIP WHITE BALANCE (High Light)</td><td>Signal generator<br><br>Remote control unit</td><td></td><td>[5.PIP(PIP)]<br>PIP08: R DRIVE<br>PIP10: B DRIVE</td><td rowspan="2">(1) Receive the black-and-white signal (color off).<br>(2) Enter the SERVICE MENU.<br>(3) Select the 5.PIP(PIP).<br>(4) Set the initial setting value of < PIP08 > (R DRIVE) and < PIP10 > (B DRIVE) with the [VOL ◂ / ▸ ] keys.<br>(5) Adjust the <PIP08> and <PIP10> until the screen becomes white.<br><br><table><tr><th>Adjustment item</th><th>Initial setting value</th></tr><tr><td>PIP08: R DRIVE</td><td>63</td></tr><tr><td>PIP10: B DRIVE</td><td>65</td></tr></table></td></tr>
<tr><td colspan="4">  </td></tr>
</table>

<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td>SUB BRIGHT</td><td>Remote control unit</td><td></td><td>[1.V/C (S)]<br>S01: BRIGHT</td><td rowspan="2">(1) Receive the broadcast and set the STANDARD mode.<br>(2) Enter the SERVICE MENU.<br>(3) Select < S01 > (BRIGHT) of the 1.V/C(S).<br>(4) Set the initial setting value of the < S01 >.<br>(5) If the brightness is not the best with the initial setting value, make fine adjustment of the < S01 > until you get the optimum brightness.</td></tr>
<tr><td colspan="4"><table><tr><th>Adjustment item</th><th>Initial setting value</th></tr><tr><td>S01: BRIGHT</td><td>64</td></tr></table></td></tr>
<tr><td>SUB CONTRAST</td><td>Remote control unit</td><td></td><td>[1.V/C (S)]<br>S02: PICTURE</td><td rowspan="2">(1) Receive the broadcast and set the STANDARD mode.<br>(2) Enter the SERVICE MENU.<br>(3) Select < S02 > (PICTURE) of the 1.V/C(S).<br>(4) Set the initial setting value of the < S02 >.<br>(5) If the contrast is not the best with the initial setting value, make fine adjustment of the < S02 > until you get the optimum contrast.</td></tr>
<tr><td colspan="4"><table><tr><th>Adjustment item</th><th>Initial setting value</th></tr><tr><td>S02: PICTURE</td><td>60</td></tr></table></td></tr>
<tr><td rowspan="3">SUB COLOR</td><td>Remote control unit</td><td></td><td>[1.V/C (S)]<br>S03: COLOR</td><td rowspan="3">[ Method of adjustment without measuring instrument ]<br>(1) Receive the broadcast.<br>(2) Enter the SERVICE MENU.<br>(3) Select < S03 > (COLOR) of the 1.V/C(S).<br>(4) Set the initial setting value of the < S03 >.<br>(5) If the color is not the best with the Initial setting value, make fine adjustment of the < S03 > until you get the optimum color.<br><br>[ Method of adjustment using measuring instrument ]<br>(1) Input the full field color bar signal (75% white).<br>(2) Enter the SERVICE MENU.<br>(3) Select 9.RF AFC, and set the AFC to OFF.<br>(4) Select < S03 > (COLOR) of the 1.V/C(S).<br>(5) Set the initial setting value of the < S03 >.<br>(6) Connect the oscilloscope between TP-B and TP-E.<br>(7) Adjust COLOR and bring the value of (A) in the figure to the voltage shown in the table bellow.<br>(8) Reset the AFC setting position from OFF to ON.<br><br><table><tr><th>Model name</th><th>Setting value</th></tr><tr><td>AV-27FA54</td><td>+17V</td></tr><tr><td>AV-32FA54</td><td>+27V</td></tr><tr><td>AV-36FA54</td><td>+30V</td></tr></table></td></tr>
<tr><td colspan="4"><table><tr><td>Signal generator<br><br>Oscilloscope<br><br>Remote control unit</td><td>TP-B<br>TP-E<br>[CRT SOCKET PWB]</td><td>[9.RF AFC]<br><br>[1.V/C (S)]<br>S03: COLOR</td></tr></table></td></tr>
<tr><td colspan="4"> 
</td></tr>
</table>

<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td rowspan="2">SUB TINT</td><td>Remote control unit</td><td></td><td>[1.V/C (S)]<br>S04: TINT</td><td rowspan="2">[ Method of adjustment without measuring instrument ]<br>(1) Receive the broadcast.<br>(2) Enter the SERVICE MENU.<br>(3) Select < S04 > (TINT) of the 1.V/C(S).<br>(4) Set the initial setting value of the < S04 >.<br>(5) If the tint is not the best with the initial setting value, make fine adjustment of the < S04 > until you get the optimum tint.<br><br><table><tr><th>Adjustment item</th><th>Initial setting value</th></tr><tr><td>S04: TINT</td><td>68</td></tr></table></td></tr>
<tr><td>Signal generator<br><br>Oscilloscope<br><br>Remote control unit</td><td>TP-B<br>TP-E<br>[CRT SOCKET PWB]</td><td>[9.RF AFC]<br><br>[1.V/C (S)]<br>S04: TINT</td></tr>
<tr><td colspan="3"> 
</td><td>[ Method of adjustment using measuring instrument ]<br>(1) Input the full field color bar signal (75% white).<br>(2) Enter the SERVICE MENU.<br>(3) Select 9.RF AFC, and set the AFC to OFF.<br>(4) Select < S04 > (TINT) of the 1.V/C(S).<br>(5) Set the initial setting value of the < S04 >.<br>(6) Connect the oscilloscope between TP-B and TP-E.<br>(7) Adjust TINT and bring the value of (B) in the figure to the voltage shown in the table bellow.<br>(8) Reset the AFC setting position from OFF to ON.<br><br><table><tr><th colspan="2">Model name</th><th>Setting value</th></tr><tr><td>AV-27FA54</td><td>ASA<br>AZA</td><td>+9V</td></tr><tr><td rowspan="2">AV-32FA54</td><td>AYA</td><td>+9V</td></tr><tr><td>AZA</td><td>+20V</td></tr><tr><td>AV-36FA54</td><td>AYA</td><td>+28V</td></tr></table></td></tr>
</table>

### 4.7.6 MTS CIRCUIT

<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td>MTS INPUT LEVEL</td><td>Signal generator<br><br>Remote control unit</td><td>R OUT<br>[AUDIO OUT]</td><td>[3.SOUND (A)]<br>A01: IN LEVEL</td><td>(1) Receive the cross-hatch signal (cross-hatch / 400Hz)<br>(2) Enter the SERVICE MENU.<br>(3) Select the < A01 > (IN LEVEL) of the 3.SOUND (A).<br>(4) Verify that the < A01 > is set at its initial setting value.<br>(5) Connect the signal generator to R OUT pin of the AUDIO OUT.<br>(6) Adjust the MTS input level to 500mV(rms) by < A01 >.<br><br><table><tr><th>Adjustment item</th><th>Initial setting value</th></tr><tr><td>A01: IN LEVEL</td><td>10</td></tr></table></td></tr>
<tr><td>MTS SEPARATION</td><td>TV audio multiplex signal generator<br><br>Oscilloscope</td><td>R OUT<br>L OUT<br>[AUDIO OUT]</td><td>[3.SOUND (A)]<br>A02: LOW SEP.<br>A03: HI SEP.</td><td>(1) Input the stereo L signal (300Hz) from the TV audio multiplex signal generator to the antenna terminal.<br>(2) Connect an oscilloscope to R OUT pin of the AUDIO OUT, and display one cycle portion of the 300Hz signal.<br>(3) Enter the SERVICE MENU.<br>(4) Select the < A02 > (LOW SEP.) of the 3.SOUND (A).<br>(5) Set the initial setting value of the < A02 >.<br>(6) Adjust the < A02 > so that the stroke element of the 300Hz signal will become minimum.<br>(7) Change the connection of the oscilloscope to L OUT pin of the AUDIO OUT, and enlarge the voltage axis.<br>(8) Change the signal to 3kHz, and similarly adjust the < A03 > (HI SEP.).<br><br><table><tr><th>Adjustment item</th><th>Initial setting value</th></tr><tr><td>A02: LOW SEP</td><td>32</td></tr><tr><td>A03: HI SEP</td><td>32</td></tr></table></td></tr>
<tr><td colspan="4"> 
</td></tr>
</table>

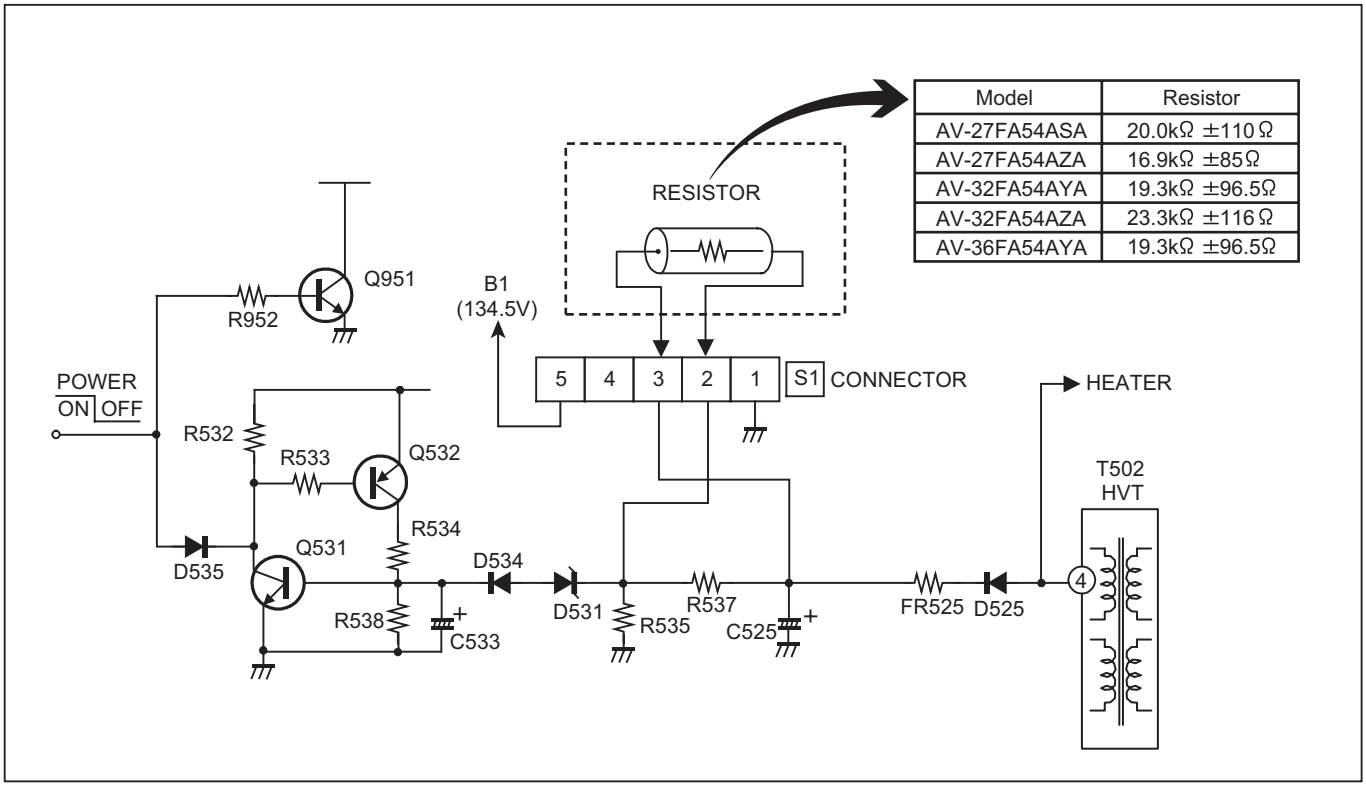
### 4.8 HOW TO CHECK THE HIGH VOLTAGE HOLD DOWN CIRCUIT

#### 4.8.1 HIGH VOLTAGE HOLD DOWN CIRCUIT

After repairing the high voltage hold down circuit shown in Fig. 1.
This circuit shall be checked to operate correctly.

#### 4.8.2 CHECKING OF THE HIGH VOLTAGE HOLD DOWN CIRCUIT

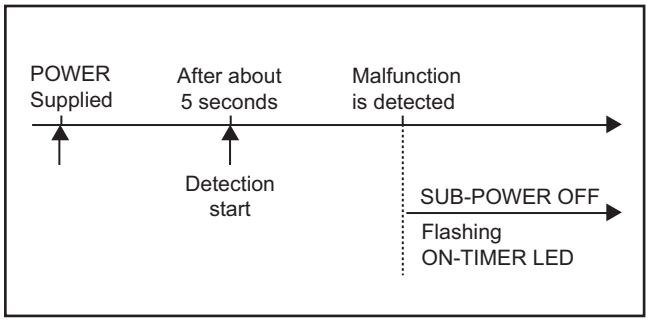
(1) Turn the power switch to on.
(2) As shown in Fig. 1, set the resistor between [S1] connector [2] and [3] .
(3) Make sure that the screen picture disappears.
(4) Temporarily unplug the power plug.
(5) Remove the resistor replaced [S1] connector [2] and [3] .
(6) Again plug the power plug, make sure that the normal picture is displayed on the screen.



# SECTION 5
# TROUBLE SHOOTING

## 5.1 SELF CHECK INDICATING FUNCTION

The self check function begins detection about 5 seconds after power is supplied.
In the event a malfunction is detected, the sub-power is cut off immediately.
At this time, the ON TIMER LED flashes to inform of the malfunction.




**[ON-TIMER LED indication]**

| Item | LED ON / OFF intervals |
|---|---|
| B1 over current / CRT neck broken | 0.5-second (ON / OFF) |

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**JVC CANADA INC.**
**Head office** : 21 Finchdene Square Scarborough, Ontario M1X 1A7 (416)293-1311

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Printed in Japan
WPC

# PARTS LIST

## CAUTION

- The parts identified by the ⚠ symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- P.W. BOARD Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

| RESISTORS | |
|---|---|
| CR | Carbon Resistor |
| FR | Fusible Resistor |
| PR | Plate Resistor |
| VR | Variable Resistor |
| HV R | High Voltage Resistor |
| MF R | Metal Film Resistor |
| MG R | Metal Glazed Resistor |
| MP R | Metal Plate Resistor |
| OM R | Metal Oxide Film Resistor |
| CMF R | Coating Metal Film Resistor |
| UNF R | Non-Flammable Resistor |
| CH V R | Chip Variable Resistor |
| CH MG R | Chip Metal Glazed Resistor |
| COMP. R | Composition Resistor |
| LPTC R | Linear Positive Temperature Coefficient Resistor |

| CAPACITORS | |
|---|---|
| C CAP. | Ceramic Capacitor |
| E CAP. | Electrolytic Capacitor |
| M CAP. | Mylar Capacitor |
| CH CAP. | Chip Capacitor |
| HV CAP. | High Voltage Capacitor |
| MF CAP. | Metalized Film Capacitor |
| MM CAP. | Metalized Mylar Capacitor |
| MP CAP. | Metalized Polystyrol Capacitor |
| PP CAP. | Polypropylene Capacitor |
| PS CAP. | Polystyrol Capacitor |
| TF CAP. | Thin Film Capacitor |
| MPP CAP. | Metalized Polypropylene Capacitor |
| TAN. CAP. | Tantalum Capacitor |
| CH C CAP. | Chip Ceramic Capacitor |
| BP E CAP. | Bi-Polar Electrolytic Capacitor |
| CH AL E CAP. | Chip Aluminum Electrolytic Capacitor |
| CH AL BP CAP. | Chip Aluminum Bi-Polar Capacitor |
| CH TAN. E CAP. | Chip Tantalum Electrolytic Capacitor |
| CH AL BP E CAP. | Chip Tantalum Bi-Polar Electrolytic Capacitor |

| RESISTORS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| F | G | J | K | M | N | R | H | Z | P |
| ±1% | ±2% | ±5% | ±10% | ±20% | ±30% | +30%<br>-10% | +50%<br>-10% | +80%<br>-20% | +100%<br>-0% |

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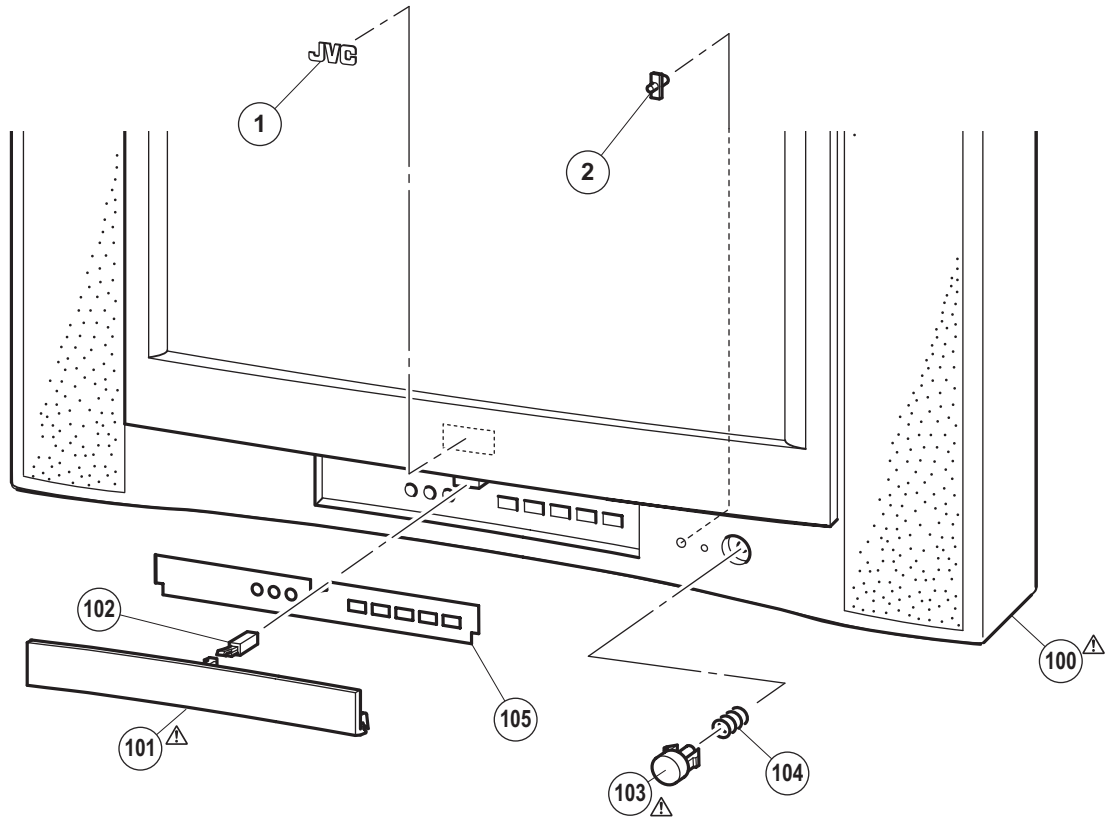
# USING P.W. BOARD & REMOTE CONTROL UNIT

| P.W.B ASS'Y | AV-27FA54/ASA | AV-27FA54/AZA | AV-32FA54/AYA | AV-32FA54/AZA | AV-36FA54/AYA |
|---|---|---|---|---|---|
| MAIN P.W.B | SGJ-1513A-M2 | SGJ-1514A-M2 | SGJ-1511A-M2 | SGJ-1515A-M2 | SGJ-1512A-M2 |
| DAF P.W.B | - | - | SGJ-2503A-M2 | SGJ-2502A-M2 | SGJ-2501A-M2 |
| CRT SOCKET P.W.B | SGJ-3502A-M2 | SGJ-3506A-M2 | SGJ-3504A-M2 | SGJ-3503A-M2 | SGJ-3501A-M2 |
| PIP P.W.B | SGJ-4001A-M2 | ← | ← | ← | ← |
| AV SELECTOR P.W.B | SGJ-5503A-M2 | ← | ← | ← | ← |
| FRONT CONTROL P.W.B | SGJ-6501A-M2 | ← | SGJ-6502A-M2 | ← | SGJ-6503A-M2 |
| LED&POWER SW P.W.B | SGJ-7502A-M2 | ← | ← | ← | ← |
| REMOTE CONTROL UNIT | RM-C1250G-1H | ← | ← | ← | ← |

# EXPLODED VIEW PARTS LIST -1

| ⚠ | Ref.No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|---|
| | 1 | LC41193-003A-C | JVC MARK | | |
| | 2 | LC32242-001A-A | RC LENS | | |
| ⚠ | 100 | LC11556-001B-A | FRONT CABI ASSY | Inc. No.101-105 | AV-27FA54/ASA,AV-27FA54/AZA |
| ⚠ | 100 | LC11531-001B-A | FRONT CABI ASSY | Inc. No.101-105 | AV-32FA54/AYA,AV-32FA54/AZA |
| ⚠ | 100 | LC11557-001B-A | FRONT CABI ASSY | Inc. No.101-105 | AV-36FA54/AYA |
| ⚠ | 101 | LC21239-001C-A | DOOR | | |
| | 102 | CM48229-00A-C | DOOR LATCH | | |
| ⚠ | 103 | LC32240-001A-A | POWER KNOB | | |
| | 104 | CM36481-002A-A | SPRING | | |
| | 105 | LC32241-001B-A | OPERATION SHEET | | |

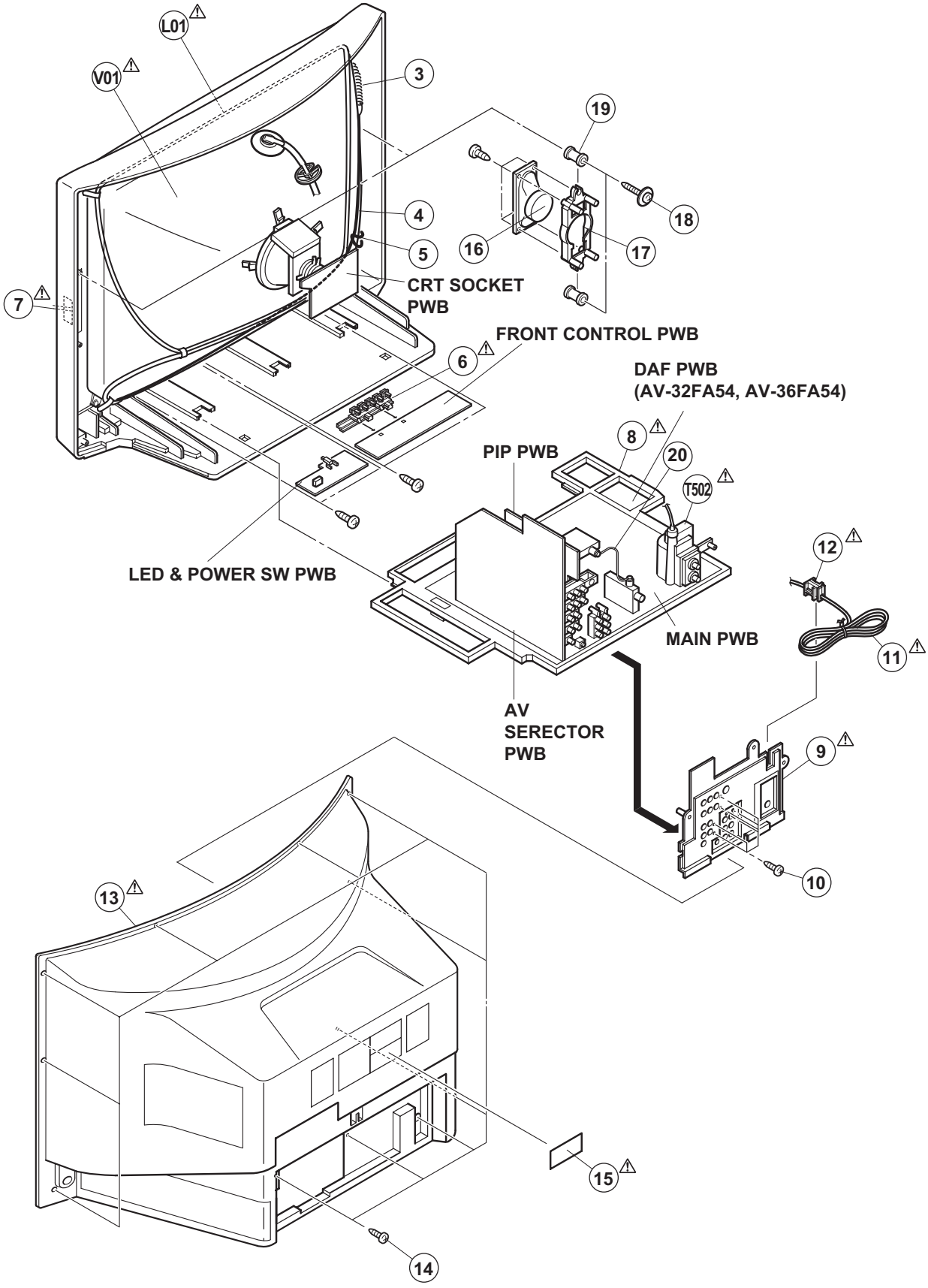
# EXPLODED VIEW -1



# EXPLODED VIEW PARTS LIST -2

| ⚠ | Ref.No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|---|
| ⚠ | V01 | A68QCP893X003 | ITC | Inc. DY, PC MAGNET, WEDGE | AV-27FA54/ASA |
| ⚠ | V01 | A68QCU754X62N | ITC | Inc. DY, PC MAGNET, WEDGE | AV-27FA54/AZA |
| ⚠ | V01 | A80AJZ90X03 | ITC | Inc. DY, PC MAGNET, WEDGE | AV-32FA54/AYA |
| ⚠ | V01 | A80ERF042X17 | ITC | Inc. DY, PC MAGNET, WEDGE | AV-32FA54/AZA |
| ⚠ | V01 | A90AJZ90X02 | ITC | Inc. DY, PC MAGNET, WEDGE | AV-36FA54/AYA |
| ⚠ | L01 | QQW0090-001 | DEG COIL | | AV-27FA54/ASA,AV-27FA54/AZA |
| ⚠ | L01 | QQW0107-001 | DEG COIL | | AV-32FA54/AYA |
| ⚠ | L01 | QQW0176-001 | DEG COIL | | AV-32FA54/AZA |
| ⚠ | L01 | QQW0122-001 | DEG COIL | | AV-36FA54/AYA |
| ⚠ | T502 | QQH0121-001 | FB TRANSF | | AV-27FA54/ASA |
| ⚠ | T502 | QQH0152-001 | FB TRANSF | | AV-27FA54/AZA |
| ⚠ | T502 | QQH0140-001 | FB TRANSF | | AV-32FA54/AZA |
| ⚠ | T502 | QQH0125-001 | FB TRANSF | | AV-32FA54/AYA,AV-36FA54/AYA |
| | 3 | A48457-4-S | SPRING | | |
| | 4 | WJY0016-001A | BRAIDED ASSY | | AV-27FA54/ASA,AV-27FA54/AZA |
| | 4 | WJY0016-002A | BRAIDED ASSY | | AV-32FA54/AYA,AV-32FA54/AZA |
| | 4 | WJY0016-003A | BRAIDED ASSY | | AV-36FA54/AYA |
| | 5 | WJY0013-003A | E-BRAIDED ASSY | | AV-27FA54/ASA,AV-27FA54/AZA,AV-32FA54/AYA,AV-32FA54/AZA |
| | 5 | WJY0013-002A | E-BRAIDED ASSY | (x2) | AV-36FA54/AYA |
| | 6 | LC21260-001B-A | CONTROL KNOB | | |
| ⚠ | 7 | GQ30034-001B-A | WARNING LABEL | | |
| ⚠ | 8 | LC10883-001C-A | CHASSIS BASE | | |
| ⚠ | 9 | LC21368-001A-A | TERMINAL BOARD | | |
| | 10 | QYSBSB3010Z | TAP SCREW | 3.0mm x 10mm(x6) | |
| ⚠ | 11 | QMPD390-200-JS | POWER CORD(US/CA) | 2m BLACK | |
| ⚠ | 12 | LC20106-001D-A | POWER CORD CLAM | | |
| ⚠ | 13 | LC11555-001A-A | REAR COVER | | AV-27FA54/ASA,AV-27FA54/AZA |
| ⚠ | 13 | LC11533-001A-A | REAR COVER | | AV-32FA54/AYA,AV-32FA54/AZA |
| ⚠ | 13 | LC11559-001A-A | REAR COVER | | AV-36FA54/AYA |
| | 14 | QYSBSFG4016Z | TAP SCREW | 4mm x 16mm(x11) | |
| ⚠ | 15 | GQ30032-001A-A | RATING LABEL | | |
| | 16 | QAS0131-001 | SPEAKER | SP01, SP02(x2) | |
| | 17 | LC21261-001A-A | SP HOLDER | (x2) | |
| | 18 | LC41029-001A-A | TAPPING SCREW | (x4) | |
| | 19 | LC40226-002A-A | SPACER | (x4) | |
| | 20 | WJX0014-002A | E-COAXIAL ASSY | | |

# EXPLODED VIEW -2



# PRINTED WIRING BOARD PARTS LIST [AV-27FA54 /ASA]

## MAIN P.W. BOARD ASS'Y (SGJ-1513A-M2)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| IC101 | M52342SP | IC | | |
| IC201 | TM8812CSDNG4UC1 | IC(MCU) | | |
| IC421 | LA7841 | IC | | |
| IC502 | CXA1875AM-X | IC | | |
| IC601 | TA1287F-X | IC | | |
| IC602 | M52055FP-X | IC | | |
| IC621 | AN5277 | IC | | |
| IC702 | AT24WC04-32FA54 | IC | (SERVICE) | |
| IC703 | S-80840CNY-T | IC | | |
| IC704 | AN78L05-T | IC | | |
| IC851 | L7812CP | IC | | |
| IC852 | L7809CP | IC | | |
| IC853 | L7805CP | IC | | |
| ⚠IC911 | STR-F6626/F3 | IC | | |
| ⚠IC921 | SE135N | IC | | |
| Q001 | UN2212-X | DIGI TRANSISTOR | | |
| Q101 | 2SC5083/L-P/-T | TRANSISTOR | | |
| Q131 | 2SB709A/QR/-X | TRANSISTOR | | |
| Q161 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q211 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q232 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q233 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q352 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q353 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q431 | UN2212-X | DIGI TRANSISTOR | | |
| Q501 | 2SC4212/Z1/ | TRANSISTOR | | |
| ⚠Q511 | 2SD2645-YD | TRANSISTOR | H OUT | |
| Q531 | 2SC2785/JH/-T | SI TRANSISTOR | | |
| Q532 | 2SB709A/QR/-X | TRANSISTOR | | |
| Q541 | 2SB709A/QR/-X | TRANSISTOR | | |
| Q542 | 2SB709A/QR/-X | TRANSISTOR | | |
| Q543 | 2SD1408/OY/-LB | POW TRANSISTOR | | |
| Q622 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q623 | UN2212-X | DIGI TRANSISTOR | | |
| Q624 | 2SB709A/QR/-X | TRANSISTOR | | |
| Q700 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q701 | 2SB709A/QR/-X | TRANSISTOR | | |
| Q705 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q951 | 2SD1383K/AB/-X | TRANSISTOR | | |
| Q971 | 2SA1208/ST/Z1-T | TRANSISTOR | | |
| D305 | 1SS133-T2 | DIODE | | |
| D306 | 1SS133-T2 | DIODE | | |
| D307 | 1SS133-T2 | DIODE | | |
| D308 | 1SS133-T2 | DIODE | | |
| D309 | 1SS133-T2 | DIODE | | |
| D310 | 1SS133-T2 | DIODE | | |
| D352 | MTZJ9.1C-T2 | Z DIODE | | |
| D353 | 1SS133-T2 | DIODE | | |
| D354 | MTZJ3.3A-T2 | Z DIODE | | |
| D421 | 1N4003-T2 | SI DIODE | | |
| D422 | MTZJ75-T2 | Z DIODE | | |
| D432 | 1SS133-T2 | DIODE | | |
| D501 | RH3G-F1 | SI DIODE | | |
| D502 | RU3AM-LFC4 | SI DIODE | | |
| D507 | RGP10J-5025-T3 | SI DIODE | | |
| D521 | RH1S-T3 | SI DIODE | | |
| D523 | RGP10J-5025-T3 | SI DIODE | | |
| D525 | 1SS81-T5 | SI DIODE | | |
| D526 | 1SS81-T5 | SI DIODE | | |
| D527 | 1SR124-400A-T2 | SI DIODE | | |
| D529 | MTZJ9.1C-T2 | Z DIODE | | |
| ⚠D531 | MA4068N/Z1/-T2 | Z DIODE | | |
| D535 | 1SS133-T2 | DIODE | | |
| D537 | 1SR35-400A-T2 | SI DIODE | | |
| D601 | MTZJ9.1C-T2 | Z DIODE | | |
| D602 | MTZJ9.1C-T2 | Z DIODE | | |
| D603 | MTZJ9.1C-T2 | Z DIODE | | |
| D604 | MTZJ9.1C-T2 | Z DIODE | | |
| D605 | MTZJ9.1C-T2 | Z DIODE | | |
| D606 | MTZJ9.1C-T2 | Z DIODE | | |
| D621 | 1SS133-T2 | DIODE | | |
| D622 | 1SS133-T2 | DIODE | | |
| D630 | 1SS133-T2 | DIODE | | |
| D633 | 1SS133-T2 | DIODE | | |
| D653 | 1SS133-T2 | DIODE | | |
| D654 | 1SS133-T2 | DIODE | | |
| D700 | MTZJ5.6B-T2 | Z DIODE | | |
| D701 | 1SS133-T2 | DIODE | | |
| D703 | MTZJ5.6B-T2 | Z DIODE | | |
| D704 | MTZJ5.6B-T2 | Z DIODE | | |
| D705 | 1SS133-T2 | DIODE | | |
| D706 | MTZJ5.6B-T2 | Z DIODE | | |
| D707 | MTZJ5.6B-T2 | Z DIODE | | |
| D708 | MTZJ5.6B-T2 | Z DIODE | | |
| D709 | MTZJ5.6B-T2 | Z DIODE | | |
| D721 | 1SS133-T2 | DIODE | | |
| D722 | 1SS133-T2 | DIODE | | |
| D723 | MTZJ5.6B-T2 | Z DIODE | | |
| D810 | MTZJ5.6B-T2 | Z DIODE | | |
| ⚠D901 | GSIB460-S1 | BRIDGE DIODE | | |
| D910 | MA700A-T2 | SB DIODE | | |
| D911 | RGP10J-5025-T3 | SI DIODE | | |
| D912 | RGP10J-5025-T3 | SI DIODE | | |
| D913 | RGP10J-5025-T3 | SI DIODE | | |
| D914 | 1SS133-T2 | DIODE | | |
| D915 | SARS01-T2 | SI DIODE | | |
| D917 | MTZJ30A-T2 | Z DIODE | | |
| D918 | MTZJ5.1C-T2 | Z DIODE | | |
| D920 | 1SS133-T2 | DIODE | | |
| D931 | RU30A-F1 | SI DIODE | | |
| D933 | RU3YX-LFC4 | SI DIODE | | |
| D935 | RU3YX-LFC4 | SI DIODE | | |
| D937 | RU3YX-LFC4 | SI DIODE | | |
| D941 | MTZJ33A-T2 | Z DIODE | | |
| D945 | MTZJ9.1B-T2 | Z DIODE | | |
| D952 | 1SS133-T2 | DIODE | | |
| D953 | 1SS133-T2 | DIODE | | |
| D954 | 1SR35-400A-T2 | SI DIODE | | |
| D955 | 1SR35-400A-T2 | SI DIODE | | |
| D956 | 1SR35-400A-T2 | SI DIODE | | |
| D957 | 1SR35-400A-T2 | SI DIODE | | |
| D972 | MTZJ15C-T2 | Z DIODE | | |
| D973 | 1SS133-T2 | DIODE | | |
| ⚠PC921 | TLP421F/D4-GR/ | PHOTO COUPLER | | |
| C001 | QETN1HM-475Z | E CAPACITOR | 4.7uF 50V M | |
| C003 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C004 | QETN1CM-108Z | E CAPACITOR | 1000uF 16V M | |
| C006 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M | |
| C101 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C102 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C104 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C105 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C106 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M | |
| C107 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C113 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C114 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C116 | QFVF1HJ-224Z | MF CAPACITOR | 0.22uF 50V J | |
| C117 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M | |
| C118 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C119 | NDC31HJ-681X | C CAPACITOR | 680pF 50V J | |
| C120 | QETN1HM-474Z | E CAPACITOR | 0.47uF 50V M | |
| C124 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C131 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C161 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C163 | NDC31HJ-470X | C CAPACITOR | 47pF 50V J | |
| C164 | NDC31HJ-470X | C CAPACITOR | 47pF 50V J | |
| C165 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C166 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C202 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M | |
| C203 | NCB31HK-152X | C CAPACITOR | 1500pF 50V K | |
| C211 | QENC1CM-106Z | BP E CAPACITOR | 10uF 16V M | |
| C212 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J | |
| C221 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C222 | QFVF1HJ-104Z | MF CAPACITOR | 0.1uF 50V J | |
| C223 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C233 | NDC31HJ-680X | C CAPACITOR | 68pF 50V J | |
| C237 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C241 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C242 | QETN1HM-225Z | E CAPACITOR | 2.2uF 50V M | |
| C243 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | |
| C244 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C281 | QFVF1HJ-474Z | MF CAPACITOR | 0.47uF 50V J | |
| C282 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | |
| C283 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C284 | QETN1HM-225Z | E CAPACITOR | 2.2uF 50V M | |
| C285 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C286 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C287 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | |
| C288 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C302 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C352 | QETN1CM-476Z | E CAPACITOR | 47uF 16V M | |
| C354 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| C391 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C392 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C422 | QFN32AK-102Z | M CAPACITOR | 1000pF 100V K |
| C424 | QETN1VM-107Z | E CAPACITOR | 100uF 35V M |
| C425 | QETN1VM-477Z | E CAPACITOR | 470uF 35V M |
| C427 | QETN1HM-225Z | E CAPACITOR | 2.2uF 50V M |
| C428 | QETM1EM-228 | E CAPACITOR | 2200uF 25V M |
| C431 | QFLC2AK-563Z | M CAPACITOR | 0.056uF 100V K |
| C432 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C433 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C435 | NCB21HK-183X | C CAPACITOR | 0.018uF 50V K |
| C440 | QCS32HJ-100Z | C CAPACITOR | 10pF 500V J |
| C501 | QCB32HK-151Z | C CAPACITOR | 150pF 500V K |
| C502 | QCB32HK-331Z | C CAPACITOR | 330pF 500V K |
| C503 | QEHR2CM-105Z | E CAPACITOR | 1uF 160V M |
| C504 | QEZ0203-107 | E CAPACITOR | 100uF 160V M |
| C505 | QENC2AM-225Z | BP E CAPACITOR | 2.2uF 100V M |
| C507 | QEM61HK-475Z | E CAPACITOR | 4.7uF 50V K |
| C508 | QEM61HK-475Z | E CAPACITOR | 4.7uF 50V K |
| ⚠C510 | QFZ0200-582 | MPP CAPACITOR | 5800pF 1.5kV H |
| ⚠C513 | QFZ0196-113 | MPP CAPACITOR | 0.011uF 1.5kV H |
| C514 | QFP32GJ-183 | PP CAPACITOR | 0.018uF 400V J |
| C515 | QFZ0199-404 | MPP CAPACITOR | 0.4uF 250V J |
| C516 | QCB32HK-561Z | C CAPACITOR | 560pF 500V K |
| C521 | QETN2EM-106Z | E CAPACITOR | 10uF 250V M |
| C523 | QEHR1VM-108Z | E CAPACITOR | 1000uF 35V M |
| C525 | QETN1VM-107Z | E CAPACITOR | 100uF 35V M |
| C526 | QFV21HJ-824Z | MF CAPACITOR | 0.82uF 50V J |
| C527 | QFLC2AJ-103Z | M CAPACITOR | 0.01uF 100V J |
| C533 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C561 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C562 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C601 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C602 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C603 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C604 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K |
| C605 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K |
| C606 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K |
| C607 | QETN1AM-477Z | E CAPACITOR | 470uF 10V M |
| C608 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C609 | QFVF1HJ-104Z | MF CAPACITOR | 0.1uF 50V J |
| C610 | QFVF1HJ-104Z | MF CAPACITOR | 0.1uF 50V J |
| C611 | QFVF1HJ-104Z | MF CAPACITOR | 0.1uF 50V J |
| C612 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C613 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C614 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C615 | QETN1AM-477Z | E CAPACITOR | 470uF 10V M |
| C616 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C621 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K |
| C622 | NCF21CZ-105X | C CAPACITOR | 1uF 16V Z |
| C623 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K |
| C624 | NCF21CZ-105X | C CAPACITOR | 1uF 16V Z |
| C625 | QETN1VM-107Z | E CAPACITOR | 100uF 35V M |
| C626 | QETN1VM-108Z | E CAPACITOR | 1000uF 35V M |
| C627 | QETN1HM-474Z | E CAPACITOR | 0.47uF 50V M |
| C628 | QETN1EM-108Z | E CAPACITOR | 1000uF 25V M |
| C629 | QETN1EM-108Z | E CAPACITOR | 1000uF 25V M |
| C633 | QETN1CM-477Z | E CAPACITOR | 470uF 16V M |
| C636 | QETN1HM-474Z | E CAPACITOR | 0.47uF 50V M |
| C637 | QETN1HM-474Z | E CAPACITOR | 0.47uF 50V M |
| C638 | QFV71HJ-124Z | MF CAPACITOR | 0.12uF 50V J |
| C639 | QFV71HJ-124Z | MF CAPACITOR | 0.12uF 50V J |
| C641 | QETN1HM-475Z | E CAPACITOR | 4.7uF 50V M |
| C652 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K |
| C653 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K |
| C654 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K |
| C655 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C656 | NDC31HJ-150X | C CAPACITOR | 15pF 50V J |
| C657 | NDC31HJ-150X | C CAPACITOR | 15pF 50V J |
| C658 | NDC31HJ-150X | C CAPACITOR | 15pF 50V J |
| C700 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K |
| C701 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C702 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C703 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C704 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C705 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C706 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M |
| C708 | NDC31HJ-220X | C CAPACITOR | 22pF 50V J |
| C709 | NDC31HJ-220X | C CAPACITOR | 22pF 50V J |
| C711 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C712 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C716 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C721 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C726 | NDC31HJ-561X | C CAPACITOR | 560pF 50V J |
| C728 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C807 | QETN1AM-477Z | E CAPACITOR | 470uF 10V M |
| C813 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K |

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| C815 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C851 | QETN1EM-107Z | E CAPACITOR | 100uF 25V M |
| C852 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C853 | QETN1CM-227Z | E CAPACITOR | 220uF 16V M |
| C854 | QETN1CM-227Z | E CAPACITOR | 220uF 16V M |
| C856 | QEHR1CM-227Z | E CAPACITOR | 220uF 16V M |
| C857 | QETN1CM-477Z | E CAPACITOR | 470uF 16V M |
| ⚠C901 | QFZ9072-104 | MM CAPACITOR | 0.1uF AC250V K |
| ⚠C902 | QFZ9072-473 | MM CAPACITOR | 0.047uF AC250V K |
| ⚠C903 | QFZ9072-104 | MM CAPACITOR | 0.1uF AC250V K |
| ⚠C904 | QCZ9054-102 | C CAPACITOR | 1000pF AC250V Z |
| ⚠C905 | QCZ9054-102 | C CAPACITOR | 1000pF AC250V Z |
| ⚠C906 | QCZ9054-102 | C CAPACITOR | 1000pF AC250V Z |
| C907 | QEZ0644-567 | E CAPACITOR | 560uF 200V K |
| ⚠C908 | QCZ9054-102 | C CAPACITOR | 1000pF AC250V Z |
| C912 | QCZ0340-222 | C CAPACITOR | 2200pF 2kV K |
| C913 | QFLC1HJ-471Z | M CAPACITOR | 470pF 50V J |
| C914 | QETN1HM-107Z | E CAPACITOR | 100uF 50V M |
| C916 | NDC31HJ-331X | C CAPACITOR | 330pF 50V J |
| C917 | NCB31HK-182X | C CAPACITOR | 1800pF 50V K |
| C918 | NCB21HK-104X | C CAPACITOR | 0.1uF 50V K |
| C919 | QFP32GJ-103 | PP CAPACITOR | 0.01uF 400V J |
| C931 | QEZ0203-227 | E CAPACITOR | 220uF 160V M |
| C932 | QETN1EM-108Z | E CAPACITOR | 1000uF 25V M |
| C933 | QETN1CM-108Z | E CAPACITOR | 1000uF 16V M |
| C934 | NDC31HJ-221X | C CAPACITOR | 220pF 50V J |
| C935 | QETN1VM-108Z | E CAPACITOR | 1000uF 35V M |
| C937 | QCZ0340-102 | C CAPACITOR | 1000pF 2kV K |
| C938 | QETN1CM-108Z | E CAPACITOR | 1000uF 16V M |
| C939 | QCB32HK-152Z | C CAPACITOR | 1500pF 500V K |
| C941 | QCB32HK-102Z | C CAPACITOR | 1000pF 500V K |
| C942 | QEHR1HM-105Z | E CAPACITOR | 1uF 50V M |
| C943 | QETN1CM-108Z | E CAPACITOR | 1000uF 16V M |
| C951 | QETN1EM-477Z | E CAPACITOR | 470uF 25V M |
| C952 | QETN1CM-227Z | E CAPACITOR | 220uF 16V M |
| C971 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C972 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C973 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| ⚠C997 | QCZ9052-102 | C CAPACITOR | 1000pF AC125V M |
| ⚠C998 | QCZ9074-103 | C CAPACITOR | 0.01uF AC250V M |
| ⚠C999 | QCZ9074-103 | C CAPACITOR | 0.01uF AC250V M |
| R002 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R003 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R004 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R005 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R008 | NRSA63J-820X | MG RESISTOR | 82Ω 1/16W J |
| R009 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R101 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R102 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J |
| R103 | QRE121J-101Y | C RESISTOR | 100Ω 1/2W J |
| R104 | NRSA63J-180X | MG RESISTOR | 18Ω 1/16W J |
| R105 | NRSA63J-270X | MG RESISTOR | 27Ω 1/16W J |
| R111 | NRSA63J-394X | MG RESISTOR | 390kΩ 1/16W J |
| R112 | NRSA63J-334X | MG RESISTOR | 330kΩ 1/16W J |
| R113 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R115 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R116 | NRSA63J-680X | MG RESISTOR | 68Ω 1/16W J |
| R117 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J |
| R118 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R131 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R132 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J |
| R133 | NRSA63J-821X | MG RESISTOR | 820Ω 1/16W J |
| R134 | NRSA63J-561X | MG RESISTOR | 560Ω 1/16W J |
| R135 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R161 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R162 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R163 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R164 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R165 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R166 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R167 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R168 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R169 | NRSA63J-561X | MG RESISTOR | 560Ω 1/16W J |
| R171 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R201 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R212 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J |
| R215 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R216 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R217 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R222 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R227 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R231 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J |
| R237 | NRSA63J-392X | MG RESISTOR | 3.9kΩ 1/16W J |
| R238 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R241 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R243 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J |

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| R281 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J |
| R282 | NRSA63J-392X | MG RESISTOR | 3.9kΩ 1/16W J |
| R283 | NRSA63J-681X | MG RESISTOR | 680Ω 1/16W J |
| R286 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R287 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R288 | NRSA02J-471X | MG RESISTOR | 470Ω 1/10W J |
| R289 | NRSA63J-154X | MG RESISTOR | 150kΩ 1/16W J |
| R290 | NRSA02J-561X | MG RESISTOR | 560Ω 1/10W J |
| R292 | NRSA63J-124X | MG RESISTOR | 120kΩ 1/16W J |
| R293 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J |
| R301 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R302 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R303 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R304 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R305 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R306 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R318 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R319 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R352 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R354 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R355 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R356 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R358 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R359 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R360 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| R421 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J |
| R423 | NRSA63J-393X | MG RESISTOR | 39kΩ 1/16W J |
| R424 | NRSA63J-393X | MG RESISTOR | 39kΩ 1/16W J |
| R426 | NRSA63J-183X | MG RESISTOR | 18kΩ 1/16W J |
| R427 | QRT029J-1R2 | MF RESISTOR | 1.2Ω 2W J |
| R429 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J |
| R430 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R431 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J |
| R432 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R433 | NRSA63J-681X | MG RESISTOR | 680Ω 1/16W J |
| R434 | QRL029J-181 | OMF RESISTOR | 180Ω 2W J |
| R435 | QRE121J-102Y | C RESISTOR | 1kΩ 1/2W J |
| R441 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R447 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R449 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J |
| R501 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R502 | NRSA63J-271X | MG RESISTOR | 270Ω 1/16W J |
| R503 | QRE121J-103Y | C RESISTOR | 10kΩ 1/2W J |
| R504 | QRL039J-152 | OMF RESISTOR | 1.5kΩ 3W J |
| R505 | QRL039J-182 | OMF RESISTOR | 1.8kΩ 3W J |
| R506 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R508 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R509 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R511 | QRE121J-220Y | C RESISTOR | 22Ω 1/2W J |
| R512 | QRE121J-681Y | C RESISTOR | 680Ω 1/2W J |
| R513 | QRL039J-273 | OMF RESISTOR | 27kΩ 3W J |
| R515 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R516 | QRZ0221-2R0 | OMF RESISTOR | 2Ω 7W K |
| R524 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J |
| R526 | QRE121J-272Y | C RESISTOR | 2.7kΩ 1/2W J |
| R527 | QRE121J-124Y | C RESISTOR | 120kΩ 1/2W J |
| R528 | QRE121J-154Y | C RESISTOR | 150kΩ 1/2W J |
| R529 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J |
| ⚠R531 | QRJ146J-391X | UNF C RESISTOR | 390Ω 1/4W J |
| R532 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J |
| R533 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R534 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| ⚠R535 | NRVA02D-222X | CMF RESISTOR | 2.2kΩ 1/10W D |
| ⚠R537 | NRZ0032-7151X | CMF RESISTOR | 7.15kΩ |
| R538 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R541 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R543 | QRE121J-122Y | C RESISTOR | 1.2kΩ 1/2W J |
| R544 | QRE121J-392Y | C RESISTOR | 3.9kΩ 1/2W J |
| R545 | QRE121J-822Y | C RESISTOR | 8.2kΩ 1/2W J |
| R546 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J |
| R547 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R548 | QRE121J-152Y | C RESISTOR | 1.5kΩ 1/2W J |
| R553 | QRL039J-390 | OMF RESISTOR | 39Ω 3W J |
| ⚠R554 | QRK126J-150X | UNF C RESISTOR | 15Ω 1/2W J |
| R555 | QRX029J-3R3 | MF RESISTOR | 3.3Ω 2W J |
| R561 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R562 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R601 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R602 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R603 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R604 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R605 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R606 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R614 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R615 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R616 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R617 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R618 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R621 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R622 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J |
| R623 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R624 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J |
| R626 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R627 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R628 | QRK126J-102X | UNF C RESISTOR | 1kΩ 1/2W J |
| R629 | QRK126J-102X | UNF C RESISTOR | 1kΩ 1/2W J |
| R631 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R632 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R633 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R637 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R638 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R639 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R640 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R641 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R644 | QRJ146J-2R2X | UNF C RESISTOR | 2.2Ω 1/4W J |
| R645 | QRJ146J-2R2X | UNF C RESISTOR | 2.2Ω 1/4W J |
| R647 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R655 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J |
| R657 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R700 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R701 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R702 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R704 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R705 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R706 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R707 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R708 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R709 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R714 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J |
| R715 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R718 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R721 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R728 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R729 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R731 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R732 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R733 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R734 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R737 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R739 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R740 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R754 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R755 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J |
| R756 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R764 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R765 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R766 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R767 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R769 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R772 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R775 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R776 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R811 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R812 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R816 | NRSA63J-124X | MG RESISTOR | 120kΩ 1/16W J |
| R821 | NRSA63J-184X | MG RESISTOR | 180kΩ 1/16W J |
| R822 | NRSA63J-124X | MG RESISTOR | 120kΩ 1/16W J |
| R827 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R857 | QRL029J-820 | OMF RESISTOR | 82Ω 2W J |
| R858 | QRL029J-180 | OMF RESISTOR | 18Ω 2W J |
| R901 | QRF074K-1R2 | UNF WW RESISTOR | 1.2Ω 7W K |
| R909 | QRG01GJ-470 | OMF RESISTOR | 47Ω 1W J |
| R911 | QRE121J-223Y | C RESISTOR | 22kΩ 1/2W J |
| R912 | QRT029J-R18 | MF RESISTOR | 0.18Ω 2W J |
| R913 | QRT029J-R15 | MF RESISTOR | 0.15Ω 2W J |
| ⚠R914 | QRK126J-681X | UNF C RESISTOR | 680Ω 1/2W J |
| ⚠R915 | QRK129J-6R8 | UNF C RESISTOR | 6.8Ω 1/2W J |
| ⚠R917 | QRK126J-332X | UNF C RESISTOR | 3.3kΩ 1/2W J |
| R918 | QRE121J-222Y | C RESISTOR | 2.2kΩ 1/2W J |
| R919 | QRE121J-684Y | C RESISTOR | 680kΩ 1/2W J |
| R924 | QRE121J-222Y | C RESISTOR | 2.2kΩ 1/2W J |
| R930 | QRE121J-223Y | C RESISTOR | 22kΩ 1/2W J |
| R939 | QRT039J-1R5 | MF RESISTOR | 1.5Ω 3W J |
| R940 | QRE121J-181Y | C RESISTOR | 180Ω 1/2W J |
| R941 | QRL029J-183 | OMF RESISTOR | 18kΩ 2W J |
| R950 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R951 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R952 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R953 | QRE121J-820Y | C RESISTOR | 82Ω 1/2W J |
| R973 | QRE121J-272Y | C RESISTOR | 2.7kΩ 1/2W J |
| R975 | QRE121J-223Y | C RESISTOR | 22kΩ 1/2W J |
| R977 | QRE121J-473Y | C RESISTOR | 47kΩ 1/2W J |
| R978 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R979 | QRT029J-1R0 | MF RESISTOR | 1Ω 2W J |

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| R980 | QRT029J-1R0 | MF RESISTOR | 1Ω 2W J |
| ⚠R998 | QRZ9041-275 | C RESISTOR | 2.7MΩ 1/2W K |
| R999 | QRE121J-121Y | C RESISTOR | 120Ω 1/2W J |
| L001 | QQL244K-560Z | COIL | 56uH K |
| L101 | QQLZ014-R22 | COIL | 0.22uH 100mA L |
| L113 | QQL244K-4R7Z | COIL | 4.7uH K |
| L131 | QQL244K-150Z | COIL | 15uH K |
| L161 | QQL244K-220Z | COIL | 22uH K |
| L232 | QQL244K-560Z | COIL | 56uH K |
| L241 | QQL244K-220Z | COIL | 22uH K |
| L391 | QQL244K-220Z | COIL | 22uH K |
| L511 | QQR1165-001 | LINEARITY COIL | |
| L512 | QQLZ036-821 | COIL | 820uH K |
| L521 | QQR1333-001 | CHOKE COIL | |
| L701 | QQL244K-220Z | COIL | 22uH K |
| L702 | QQL244K-220Z | COIL | 22uH K |
| L703 | QQL244K-220Z | COIL | 22uH K |
| L704 | QQL244K-220Z | COIL | 22uH K |
| L705 | QQL244K-220Z | COIL | 22uH K |
| L931 | QQL26AK-470Z | COIL | 47uH K |
| L933 | QQL26AK-470Z | COIL | 47uH K |
| L937 | QQL26AK-470Z | COIL | 47uH K |
| L940 | QQR0582-001Z | FERRITE BEADS | |
| T111 | QQR0907-001 | IFT | |
| T501 | CE42034-002 | HOR DRIVE TRANS | |
| ⚠T921 | QQS0225-001 | SW TRANSF | |
| ⚠T951 | QQT0372-001 | POWER TRANSF | |
| CF001 | QAX0349-001 | C TRAP | 47.25MHz |
| CF131 | QAX0639-001Z | C TRAP | 4.500MHz |
| CF161 | QAX0642-001Z | C FILTER | 4.500MHz |
| CN001 | QGB1505J1-35 | CONNECTOR | B-B (1-35) |
| CN002 | QGB1505J1-25 | CONNECTOR | B-B (1-25) |
| CN004 | QGA2501C5-07Z | CONNECTOR | W-B (1-7) |
| CN005 | QGA2501C5-06Z | CONNECTOR | W-B (1-6) |
| CN007 | QGA2501C5-06Z | CONNECTOR | W-B (1-6) |
| CN00C | QGA2501F1-06 | CONNECTOR | W-B (1-6) |
| CN0E1 | CE41507-001P | LV CONNECTOR | |
| CN0E3 | CE41507-001P | LV CONNECTOR | |
| CN0HV | QGZ5004C1-06 | CONNECTOR | (1-6) |
| CN0S1 | QGA2501C5-05Z | CONNECTOR | W-B (1-5) |
| CN0SS | QGA2501C5-04Z | CONNECTOR | W-B (1-4) |
| ⚠CP932 | ICP-N70-T | IC PROTECTOR | 2.5A |
| ⚠CP933 | ICP-N70-T | IC PROTECTOR | 2.5A |
| ⚠CP936 | ICP-N70-T | IC PROTECTOR | 2.5A |
| ⚠F901 | QMF51N1-5R0-J5 | FUSE | 5A AC125V |
| ⚠F905 | QMFZ049-5R0Z-E | FUSE | 5A 125V |
| FC901 | CEMG002-001Z | FUSE CLIP | |
| FC902 | CEMG002-001Z | FUSE CLIP | |
| ⚠FR525 | QRZ9017-4R7 | FUSI RESISTOR | 4.7Ω 1/4W J |
| ⚠FR527 | QRZ9011-470 | FUSI RESISTOR | 47Ω 1/2W J |
| HS001 | LC32313-001A | HEAT SINK/AL-F/ | |
| HS002 | LC31948-001A | HEAT SINK/AL-F/ | |
| HS003 | LC31677-001A | HEAT SINK/AL-F/ | |
| HS004 | CEHE015-001WU | HEAT SINK | |
| HS005 | CM42862-00G-H | HEAT SINK ASSY | |
| HS007 | CEHT11B-002QS | HEAT SINK | |
| J601 | QNN0349-002 | PIN JACK | INPUT-2 COMP |
| J602 | QNN0349-002 | PIN JACK | INPUT-4 COMP |
| J810 | QNS0001-001 | 3.5 JACK | AV COMPLINK III |
| K401 | QQR0621-002Z | FERRITE BEADS | |
| K912 | QQR0582-001Z | FERRITE BEADS | |
| K916 | QQR0582-001Z | FERRITE BEADS | |
| K917 | QQR0582-001Z | FERRITE BEADS | |
| K918 | QQR0582-001Z | FERRITE BEADS | |
| K920 | QQR0872-002 | FERRITE BEADS | |
| K931 | QQR0582-001Z | FERRITE BEADS | |
| K932 | QQR0582-001Z | FERRITE BEADS | |
| K933 | QQR0582-001Z | FERRITE BEADS | |
| K935 | QQR0582-001Z | FERRITE BEADS | |
| K937 | QQR0582-001Z | FERRITE BEADS | |
| LC601 | QQR1199-001 | EMI FILTER | |
| LC602 | QQR1199-001 | EMI FILTER | |
| LC603 | QQR1199-001 | EMI FILTER | |
| LC604 | QQR1199-001 | EMI FILTER | |
| LC605 | QQR1199-001 | EMI FILTER | |
| LC606 | QQR1199-001 | EMI FILTER | |
| ⚠LF901 | QQR1159-001 | LINE FILTER | |
| ⚠LF902 | QQR0527-004 | LINE FILTER | |
| ⚠RY951 | QSK0085-001 | RELAY | |
| S421 | QSL4A13-C02 | LEVER SWITCH | V.CENTER |
| SF101 | QAX0723-001 | SAW FILTER | |
| ⚠TH901 | QAD0132-3R0 | P THERMISTOR | 3Ω |
| ⚠TU001 | QAU0272-001 | TUNER | MAIN |
| ⚠VA901 | ERZV10V621CS | ZNR | |
| X701 | QAX0717-001Z | CRYSTAL | 8.000MHz |

## CRT SOCKET P.W. BOARD ASS'Y (SGJ-3502A-M2)

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| Q3103 | 2SA933AS/QR/-T | TRANSISTOR | |
| Q3105 | 2SC1740S/QR/-T | TRANSISTOR | |
| Q3106 | 2SA933AS/QR/-T | TRANSISTOR | |
| Q3107 | 2SA1964/DE/ | POW TRANSISTOR | |
| Q3108 | 2SC5248/DE/ | POW TRANSISTOR | |
| Q3109 | 2SC1740S/QR/-T | TRANSISTOR | |
| Q3151 | 2SC1740S/QR/-T | TRANSISTOR | |
| Q3152 | 2SA933AS/QR/-T | TRANSISTOR | |
| Q3301 | 2SC5083/L-P/-T | TRANSISTOR | |
| Q3302 | 2SC5083/L-P/-T | TRANSISTOR | |
| Q3303 | 2SC5083/L-P/-T | TRANSISTOR | |
| Q3304 | 2SC5147/CDE/F43 | POW TRANSISTOR | |
| Q3305 | 2SC5147/CDE/F43 | POW TRANSISTOR | |
| Q3306 | 2SC5147/CDE/F43 | POW TRANSISTOR | |
| Q3351 | 2SA933AS/QR/-T | TRANSISTOR | |
| D3101 | 1SS133-T2 | DIODE | |
| D3105 | RH1S-T3 | SI DIODE | |
| D3106 | RH1S-T3 | SI DIODE | |
| D3301 | 1SS133-T2 | DIODE | |
| D3302 | 1SS133-T2 | DIODE | |
| D3303 | 1SS133-T2 | DIODE | |
| D3304 | 1SS82-T2 | SI DIODE | |
| D3305 | 1SS82-T2 | SI DIODE | |
| D3306 | 1SS82-T2 | SI DIODE | |
| D3311 | MTZJ3.6B-T2 | Z DIODE | |
| D3312 | 1SS133-T2 | DIODE | |
| D3313 | MTZJ4.3A-T2 | Z DIODE | |
| D3314 | 1SS133-T2 | DIODE | |
| D3331 | 1SS133-T2 | DIODE | |
| D3351 | 1SS133-T2 | DIODE | |
| D3352 | 1SS133-T2 | DIODE | |
| D3353 | 1SS133-T2 | DIODE | |
| D3354 | 1SS133-T2 | DIODE | |
| C3101 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C3109 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C3110 | NDC31HJ-221X | C CAPACITOR | 220pF 50V J |
| C3111 | NDC31HJ-221X | C CAPACITOR | 220pF 50V J |
| C3113 | QETN2CM-106Z | E CAPACITOR | 10uF 160V M |
| C3114 | QCB32HK-472Z | C CAPACITOR | 4700pF 500V K |
| C3115 | QCB32HK-472Z | C CAPACITOR | 4700pF 500V K |
| C3117 | QETN2CM-106Z | E CAPACITOR | 10uF 160V M |
| C3118 | QETN0JM-107Z | E CAPACITOR | 100uF 6.3V M |
| C3119 | QETN1AM-107Z | E CAPACITOR | 100uF 10V M |
| C3120 | QETN1AM-337Z | E CAPACITOR | 330uF 10V M |
| C3121 | QCS32HJ-151Z | C CAPACITOR | 150pF 500V J |
| C3122 | NDC31HJ-5R0X | C CAPACITOR | 5pF 50V J |
| C3125 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| C3151 | NCB21EK-104X | C CAPACITOR | 0.1uF 25V K |
| C3152 | NCB21EK-104X | C CAPACITOR | 0.1uF 25V K |
| C3301 | NDC31HJ-561X | C CAPACITOR | 560pF 50V J |
| C3302 | NDC31HJ-391X | C CAPACITOR | 390pF 50V J |
| C3303 | NDC31HJ-561X | C CAPACITOR | 560pF 50V J |
| C3321 | QETN2EM-105Z | E CAPACITOR | 1uF 250V M |
| C3322 | QETN2EM-105Z | E CAPACITOR | 1uF 250V M |
| C3323 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C3351 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C3363 | QCZ0324-102 | C CAPACITOR | 1000pF 3kV P |
| R3108 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R3111 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R3114 | QRJ146J-100X | UNF C RESISTOR | 10Ω 1/4W J |
| R3115 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J |
| R3116 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J |
| R3117 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R3119 | NRSA63J-121X | MG RESISTOR | 120Ω 1/16W J |
| ⚠R3122 | QRZ9021-561 | FUSI RESISTOR | 560Ω 1W J |
| R3123 | NRSA63J-122X | MG RESISTOR | 1.2kΩ 1/16W J |
| R3124 | NRSA63J-390X | MG RESISTOR | 39Ω 1/16W J |
| R3125 | NRSA63J-5R6X | MG RESISTOR | 5.6Ω 1/16W J |
| R3126 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J |
| R3127 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J |
| R3128 | NRSA63J-122X | MG RESISTOR | 1.2kΩ 1/16W J |
| R3129 | NRSA63J-5R6X | MG RESISTOR | 5.6Ω 1/16W J |
| R3130 | NRSA63J-390X | MG RESISTOR | 39Ω 1/16W J |
| R3131 | NRSA63J-121X | MG RESISTOR | 120Ω 1/16W J |
| R3132 | QRL029J-391 | OMF RESISTOR | 390Ω 2W J |
| R3134 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R3136 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R3139 | NRSA63J-681X | MG RESISTOR | 680Ω 1/16W J |
| R3142 | NRSA63J-124X | MG RESISTOR | 120kΩ 1/16W J |
| R3143 | NRSA63J-681X | MG RESISTOR | 680Ω 1/16W J |
| R3145 | NRSA63J-5R6X | MG RESISTOR | 5.6Ω 1/16W J |
| R3146 | NRSA63J-5R6X | MG RESISTOR | 5.6Ω 1/16W J |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| R3151 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R3152 | NRSA63J-683X | MG RESISTOR | 68kΩ 1/16W J | |
| R3153 | NRSA63J-683X | MG RESISTOR | 68kΩ 1/16W J | |
| R3154 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R3301 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J | |
| R3302 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J | |
| R3303 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J | |
| R3304 | NRSA63J-121X | MG RESISTOR | 120Ω 1/16W J | |
| R3305 | NRSA63J-121X | MG RESISTOR | 120Ω 1/16W J | |
| R3306 | NRSA63J-121X | MG RESISTOR | 120Ω 1/16W J | |
| R3307 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R3308 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R3309 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R3310 | QRG029J-153 | OMF RESISTOR | 15kΩ 2W J | |
| R3311 | QRG029J-153 | OMF RESISTOR | 15kΩ 2W J | |
| R3312 | QRG029J-153 | OMF RESISTOR | 15kΩ 2W J | |
| R3313 | QRG029J-183 | OMF RESISTOR | 18kΩ 2W J | |
| R3314 | QRG029J-183 | OMF RESISTOR | 18kΩ 2W J | |
| R3315 | QRG029J-183 | OMF RESISTOR | 18kΩ 2W J | |
| R3316 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3317 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3318 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3325 | QRC121K-102Z | COMP RESISTOR | 1kΩ 1/2W K | |
| R3326 | QRC121K-102Z | COMP RESISTOR | 1kΩ 1/2W K | |
| R3327 | QRC121K-102Z | COMP RESISTOR | 1kΩ 1/2W K | |
| R3331 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J | |
| R3332 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J | |
| R3333 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J | |
| R3334 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J | |
| R3335 | NRSA63J-271X | MG RESISTOR | 270Ω 1/16W J | |
| R3336 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3337 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3338 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3351 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R3352 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R3353 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R3354 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R3363 | QRC121K-474Z | COMP RESISTOR | 470kΩ 1/2W K | |
| L3301 | QQL244K-180Z | COIL | 18uH K | |
| L3302 | QQL244K-180Z | COIL | 18uH K | |
| L3303 | QQL244K-180Z | COIL | 18uH K | |
| L3304 | QQL244K-470Z | COIL | 47uH K | |
| L3305 | QQL244K-470Z | COIL | 47uH K | |
| L3306 | QQL244K-470Z | COIL | 47uH K | |
| CN3004 | QJB003-073226 | SIN ID C-B WIRE | | |
| CN3005 | WJA0029-001A | E-S ID WIRE | | |
| CN300V | QGA2501C5-03Z | CONNECTOR | W-B (1-3) | |
| CN30E2 | QUB130-38A6AS | SIN TWIST WIRE | | |
| CN30E4 | QUB130-38A6AS | SIN TWIST WIRE | | |
| HS3010 | CEHP00N-001QS | HEAT SINK | | |
| HS3011 | CEHP00N-001QS | HEAT SINK | | |
| HS3012 | CEHP00N-001QS | HEAT SINK | | |
| HS3013 | CEHP00N-001QS | HEAT SINK | | |
| HS3014 | CEHP00N-001QS | HEAT SINK | | |
| K3102 | CE41492-001Z | CHOKE COIL | | |
| K3103 | CE41492-001Z | CHOKE COIL | | |
| K3104 | CE41492-001Z | CHOKE COIL | | |
| K3105 | CE41492-001Z | CHOKE COIL | | |
| ⚠SK3001 | QNZ0464-001 | CRT SOCKET | | |

## PIP P.W.BOARD ASS'Y (SGJ-4001A-M2)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| IC4101 | M52342SP | IC | | |
| IC4301 | SDA9389X-X | IC | | |
| Q4101 | 2SC5083/L-P/-T | TRANSISTOR | | |
| Q4131 | 2SA1037AK/QR/-X | TRANSISTOR | | |
| Q4301 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q4302 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q4303 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q4331 | 2SB709A/QR/-X | TRANSISTOR | | |
| Q4332 | 2SB709A/QR/-X | TRANSISTOR | | |
| Q4333 | 2SB709A/QR/-X | TRANSISTOR | | |
| D4301 | 1SS133-T2 | DIODE | | |
| C4001 | QETN1HM-475Z | E CAPACITOR | 4.7uF 50V M | |
| C4003 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C4004 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | |
| C4006 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M | |
| C4010 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J | |
| C4011 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J | |
| C4101 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C4102 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C4104 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C4105 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C4106 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M | |
| C4107 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C4113 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C4114 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C4116 | QFVF1HJ-224Z | MF CAPACITOR | 0.22uF 50V J | |
| C4117 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M | |
| C4118 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C4119 | NDC31HJ-681X | C CAPACITOR | 680pF 50V J | |
| C4120 | QETN1HM-474Z | E CAPACITOR | 0.47uF 50V M | |
| C4124 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C4131 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C4132 | NDC31HJ-181X | C CAPACITOR | 180pF 50V J | |
| C4161 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C4168 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C4301 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| C4302 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| C4312 | NDC31HJ-270X | C CAPACITOR | 27pF 50V J | |
| C4313 | NDC31HJ-270X | C CAPACITOR | 27pF 50V J | |
| C4314 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C4315 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C4316 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C4317 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C4318 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C4319 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C4320 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C4321 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M | |
| C4322 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C4323 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C4324 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C4325 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C4326 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C4327 | QETN1HM-225Z | E CAPACITOR | 2.2uF 50V M | |
| C4328 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C4329 | QETN1HM-225Z | E CAPACITOR | 2.2uF 50V M | |
| C4330 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C4331 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| R4001 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R4002 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R4003 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R4004 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R4005 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R4008 | NRSA63J-820X | MG RESISTOR | 82Ω 1/16W J | |
| R4101 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| R4102 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J | |
| R4103 | QRE121J-101Y | C RESISTOR | 100Ω 1/2W J | |
| R4104 | NRSA63J-180X | MG RESISTOR | 18Ω 1/16W J | |
| R4105 | NRSA63J-270X | MG RESISTOR | 27Ω 1/16W J | |
| R4111 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J | |
| R4113 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R4114 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R4115 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R4116 | NRSA63J-680X | MG RESISTOR | 68Ω 1/16W J | |
| R4117 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J | |
| R4118 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R4120 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J | |
| R4121 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R4131 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R4132 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R4133 | NRSA63J-821X | MG RESISTOR | 820Ω 1/16W J | |
| R4134 | NRSA63J-561X | MG RESISTOR | 560Ω 1/16W J | |
| R4135 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R4161 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R4163 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R4171 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R4301 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R4302 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R4303 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R4304 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R4306 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R4307 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R4308 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R4309 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R4311 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R4313 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R4314 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R4316 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R4317 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R4331 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | |
| R4332 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R4337 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | |

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| R4338 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R4343 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R4344 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| L4001 | QQL244K-560Z | COIL | 56uH K |
| L4101 | QQLZ014-R22 | COIL | 0.22uH 100mA L |
| L4113 | QQL244K-4R7Z | COIL | 4.7uH K |
| L4131 | QQL244K-150Z | COIL | 15uH K |
| L4302 | QQL244J-6R8Z | COIL | 6.8uH J |
| L4303 | QQL244J-6R8Z | COIL | 6.8uH J |
| L4304 | QQL244J-6R8Z | COIL | 6.8uH J |
| T4111 | QQR0907-001 | IFT | |
| CF4131 | QAX0639-001Z | C TRAP | 4.500MHz |
| CN4002 | QGB1505K1-25 | CONNECTOR | B-B (1-25) |
| SF4101 | CE42589-201 | SAW FILTER | |
| TU4001 | QAU0273-001 | TUNER | SUB |
| X4301 | QAX0521-001Z | CRYSTAL | 27.000MHz |

## AV SELECTOR P.W. BOARD ASS'Y (SGJ-5503A-M2)

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| IC5001 | CXA2134Q-X | IC | |
| IC5151 | NJM2150AD | IC | |
| IC5171 | NJM2701M-X | IC | |
| IC5201 | TC90A49AP | IC | |
| IC5351 | BA4558F-X | IC | |
| IC5501 | TA1218AN | IC | |
| IC5701 | M62320FP-X | IC | |
| Q5001 | 2SB709A/QR/-X | TRANSISTOR | |
| Q5002 | 2SB709A/QR/-X | TRANSISTOR | |
| Q5171 | 2SD601A/QR/-X | TRANSISTOR | |
| Q5172 | 2SD601A/QR/-X | TRANSISTOR | |
| Q5211 | 2SD601A/QR/-X | TRANSISTOR | |
| Q5212 | 2SD601A/QR/-X | TRANSISTOR | |
| Q5251 | 2SD601A/QR/-X | TRANSISTOR | |
| Q5252 | 2SB709A/QR/-X | TRANSISTOR | |
| Q5253 | 2SB709A/QR/-X | TRANSISTOR | |
| Q5261 | 2SB709A/QR/-X | TRANSISTOR | |
| Q5262 | 2SD601A/QR/-X | TRANSISTOR | |
| Q5263 | 2SB709A/QR/-X | TRANSISTOR | |
| Q5351 | 2SB709A/QR/-X | TRANSISTOR | |
| Q5352 | UN2226-X | DIGI TRANSISTOR | |
| Q5384 | UN2226-X | DIGI TRANSISTOR | |
| Q5385 | UN2226-X | DIGI TRANSISTOR | |
| Q5386 | UN2226-X | DIGI TRANSISTOR | |
| Q5387 | UN2226-X | DIGI TRANSISTOR | |
| Q5388 | 2SB709A/QR/-X | TRANSISTOR | |
| Q5501 | 2SB709A/QR/-X | TRANSISTOR | |
| D5001 | MTZJ12C-T2 | Z DIODE | |
| D5151 | MTZJ12C-T2 | Z DIODE | |
| D5171 | MTZJ12C-T2 | Z DIODE | |
| D5351 | MTZJ9.1C-T2 | Z DIODE | |
| D5352 | 1SS133-T2 | DIODE | |
| D5353 | 1SS133-T2 | DIODE | |
| D5391 | MTZJ9.1C-T2 | Z DIODE | |
| D5392 | MTZJ9.1C-T2 | Z DIODE | |
| D5393 | 1SS133-T2 | DIODE | |
| D5394 | 1SS133-T2 | DIODE | |
| D5501 | MTZJ9.1C-T2 | Z DIODE | |
| D5502 | MTZJ9.1C-T2 | Z DIODE | |
| D5503 | MTZJ9.1C-T2 | Z DIODE | |
| D5504 | MTZJ9.1C-T2 | Z DIODE | |
| D5505 | MTZJ9.1C-T2 | Z DIODE | |
| D5507 | MTZJ9.1C-T2 | Z DIODE | |
| D5508 | MTZJ9.1C-T2 | Z DIODE | |
| D5509 | MTZJ9.1C-T2 | Z DIODE | |
| D5510 | MTZJ9.1C-T2 | Z DIODE | |
| D5511 | MTZJ9.1C-T2 | Z DIODE | |
| D5512 | MTZJ9.1C-T2 | Z DIODE | |
| D5513 | MTZJ9.1C-T2 | Z DIODE | |
| D5514 | MTZJ9.1C-T2 | Z DIODE | |
| D5515 | MTZJ9.1C-T2 | Z DIODE | |
| C5001 | QENC1HM-475Z | BP E CAPACITOR | 4.7uF 50V M |
| C5002 | NCB31HK-562X | C CAPACITOR | 5600pF 50V K |
| C5003 | NCB31HK-123X | C CAPACITOR | 0.012uF 50V K |
| C5004 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M |
| C5005 | QETN1HM-475Z | E CAPACITOR | 4.7uF 50V M |
| C5006 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C5007 | QETN1HM-475Z | E CAPACITOR | 4.7uF 50V M |
| C5008 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C5009 | QENC1HM-475Z | BP E CAPACITOR | 4.7uF 50V M |
| C5010 | QETN1HM-475Z | E CAPACITOR | 4.7uF 50V M |
| C5011 | QENC1HM-475Z | BP E CAPACITOR | 4.7uF 50V M |
| C5012 | NCB31HK-272X | C CAPACITOR | 2700pF 50V K |
| C5013 | NCB31HK-473X | C CAPACITOR | 0.047uF 50V K |
| C5014 | QENC1HM-475Z | BP E CAPACITOR | 4.7uF 50V M |
| C5015 | QBTC1CK-106Z | TA E CAPACITOR | 10uF 16V K |
| C5016 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M |
| C5017 | QENC1HM-105Z | BP E CAPACITOR | 1uF 50V M |
| C5018 | QENC1HM-105Z | BP E CAPACITOR | 1uF 50V M |
| C5019 | NCB31HK-223X | C CAPACITOR | 0.022uF 50V K |
| C5020 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C5021 | QENC1HM-475Z | BP E CAPACITOR | 4.7uF 50V M |
| C5022 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K |
| C5023 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C5024 | QENC1HM-475Z | BP E CAPACITOR | 4.7uF 50V M |
| C5025 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K |
| C5026 | QBTC1CK-335Z | TA E CAPACITOR | 3.3uF 16V K |
| C5031 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C5151 | QENC1HM-105Z | BP E CAPACITOR | 1uF 50V M |
| C5152 | QENC1HM-105Z | BP E CAPACITOR | 1uF 50V M |
| C5153 | NDC31HJ-561X | C CAPACITOR | 560pF 50V J |
| C5154 | NDC31HJ-561X | C CAPACITOR | 560pF 50V J |
| C5155 | NCB31CK-563X | C CAPACITOR | 0.056uF 16V K |
| C5156 | NCB31CK-563X | C CAPACITOR | 0.056uF 16V K |
| C5157 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C5158 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C5159 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C5160 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K |
| C5171 | QENC1HM-106Z | BP E CAPACITOR | 10uF 50V M |
| C5172 | QENC1HM-106Z | BP E CAPACITOR | 10uF 50V M |
| C5173 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M |
| C5174 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C5175 | NCB31EK-273X | C CAPACITOR | 0.027uF 25V K |
| C5176 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C5177 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M |
| C5178 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C5179 | QETN1HM-475Z | E CAPACITOR | 4.7uF 50V M |
| C5203 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C5204 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C5205 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C5206 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C5211 | QENC1CM-106Z | BP E CAPACITOR | 10uF 16V M |
| C5212 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J |
| C5213 | NDC31HJ-470X | C CAPACITOR | 47pF 50V J |
| C5214 | NDC31HJ-181X | C CAPACITOR | 180pF 50V J |
| C5215 | QETN1HM-474Z | E CAPACITOR | 0.47uF 50V M |
| C5226 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C5231 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C5232 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C5233 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C5234 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C5235 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C5236 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C5237 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C5238 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C5239 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C5240 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C5241 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C5242 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C5243 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C5246 | NDC31HJ-181X | C CAPACITOR | 180pF 50V J |
| C5247 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C5251 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C5252 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C5253 | NDC31HJ-820X | C CAPACITOR | 82pF 50V J |
| C5255 | NDC31HJ-470X | C CAPACITOR | 47pF 50V J |
| C5263 | NDC31HJ-470X | C CAPACITOR | 47pF 50V J |
| C5351 | QENC1HM-106Z | BP E CAPACITOR | 10uF 50V M |
| C5352 | QENC1HM-106Z | BP E CAPACITOR | 10uF 50V M |
| C5353 | NCB31EK-393X | C CAPACITOR | 0.039uF 25V K |
| C5354 | NCB31EK-183X | C CAPACITOR | 0.018uF 25V K |
| C5355 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C5356 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C5357 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C5391 | QETN1HM-474Z | E CAPACITOR | 0.47uF 50V M |
| C5392 | QETN1HM-474Z | E CAPACITOR | 0.47uF 50V M |
| C5501 | QETN1HM-225Z | E CAPACITOR | 2.2uF 50V M |
| C5502 | QETN1HM-225Z | E CAPACITOR | 2.2uF 50V M |
| C5503 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C5504 | QENC1CM-106Z | BP E CAPACITOR | 10uF 16V M |
| C5506 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C5508 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C5509 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C5520 | QETN1HM-225Z | E CAPACITOR | 2.2uF 50V M |
| C5521 | QETN1HM-225Z | E CAPACITOR | 2.2uF 50V M |

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| C5531 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C5532 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C5533 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C5534 | QENC1CM-106Z | BP E CAPACITOR | 10uF 16V M |
| C5544 | QETN1HM-225Z | E CAPACITOR | 2.2uF 50V M |
| C5545 | QETN1HM-225Z | E CAPACITOR | 2.2uF 50V M |
| C5701 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C5702 | NCB31HJ-103X | C CAPACITOR | 0.01uF 50V J |
| R5001 | NRSA63J-105X | MG RESISTOR | 1MΩ 1/16W J |
| R5002 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R5003 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R5004 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R5005 | NRSA63F-623X | MG RESISTOR | 62kΩ 1/16W F |
| R5007 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R5008 | NRSA63J-302X | MG RESISTOR | 3kΩ 1/16W J |
| R5010 | NRSA63J-392X | MG RESISTOR | 3.9kΩ 1/16W J |
| R5011 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R5012 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R5031 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R5032 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R5033 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J |
| R5034 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J |
| R5151 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R5152 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R5153 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R5154 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R5156 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R5158 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R5159 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R5171 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R5172 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R5173 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R5174 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R5175 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R5176 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R5177 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R5178 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R5210 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R5211 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R5212 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R5213 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R5214 | NRSA63J-181X | MG RESISTOR | 180Ω 1/16W J |
| R5215 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J |
| R5216 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J |
| R5217 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R5240 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R5241 | NRSA63J-821X | MG RESISTOR | 820Ω 1/16W J |
| R5242 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R5243 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R5251 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J |
| R5253 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R5254 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R5255 | NRSA63J-681X | MG RESISTOR | 680Ω 1/16W J |
| R5258 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R5259 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R5261 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R5262 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R5263 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J |
| R5265 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R5269 | NRSA63J-681X | MG RESISTOR | 680Ω 1/16W J |
| R5270 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R5351 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R5352 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R5353 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R5354 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R5355 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R5356 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R5357 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R5358 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R5359 | NRSA63J-392X | MG RESISTOR | 3.9kΩ 1/16W J |
| R5360 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R5361 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J |
| R5362 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R5363 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R5364 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R5365 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R5384 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R5385 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R5386 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R5387 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R5388 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R5389 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R5391 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R5392 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R5393 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J |
| R5394 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J |
| R5395 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R5396 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R5501 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R5502 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R5503 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R5504 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R5505 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R5507 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R5508 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J |
| R5509 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R5510 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R5511 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R5512 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R5513 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J |
| R5514 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R5515 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R5516 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R5517 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R5519 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R5520 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R5521 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R5522 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J |
| R5523 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J |
| R5524 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R5526 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R5527 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R5532 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J |
| R5533 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J |
| R5541 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R5542 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R5543 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R5544 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J |
| R5545 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J |
| R5546 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R5558 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R5559 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R5560 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R5561 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R5564 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R5565 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R5566 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J |
| R5567 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J |
| R5568 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R5569 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R5701 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R5702 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R5703 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R5704 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R5705 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| L5202 | QQL244K-150Z | COIL | 15uH K |
| L5211 | QQL244K-4R7Z | COIL | 4.7uH K |
| L5241 | QQL244K-4R7Z | COIL | 4.7uH K |
| L5243 | QQL244K-4R7Z | COIL | 4.7uH K |
| L5244 | QQL244K-4R7Z | COIL | 4.7uH K |
| L5261 | QQL244K-150Z | COIL | 15uH K |
| CN5001 | QGB1505K1-35 | CONNECTOR | B-B (1-35) |
| CN5006 | QGA2501C5-05Z | CONNECTOR | W-B (1-5) |
| J5501 | QNZ0454-001 | AV JACK | S/V/L/R IN |
| J5502 | QNN0349-001 | PIN JACK | V/L/R IN |
| J5503 | QNN0348-001 | PIN JACK | L/R OUT |
| J5504 | QNN0348-001 | PIN JACK | L/R IN |
| J5505 | QNN0282-004 | PIN JACK | SUB WOOFER OUT |

## FRONT CONTROL P.W. BOARD ASS'Y (SGJ-6501A-M2)

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| C6401 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C6402 | QETN1HM-225Z | E CAPACITOR | 2.2uF 50V M |
| C6403 | QETN1HM-225Z | E CAPACITOR | 2.2uF 50V M |
| R6401 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R6402 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J |
| R6403 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J |
| R6702 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R6703 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R6704 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J |
| R6705 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J |
| R6706 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| CN6006 | QJB003-054010 | SIN ID C-B WIRE | | |
| CN6007 | QJB003-064426 | SIN ID C-B WIRE | | |
| CN600B | QJB003-050806 | SIN ID C-B WIRE | | |
| J6401 | QNN0281-003 | PIN JACK | V IN | |
| J6402 | QNN0281-002 | PIN JACK | L IN | |
| J6403 | QNN0282-001 | PIN JACK | R IN | |
| LC6401 | QQR1199-001 | EMI FILTER | | |
| S6702 | QSW0619-003Z | TACT SWITCH | MENU | |
| S6703 | QSW0619-003Z | TACT SWITCH | CH- | |
| S6704 | QSW0619-003Z | TACT SWITCH | CH+ | |
| S6705 | QSW0619-003Z | TACT SWITCH | VOL- | |
| S6706 | QSW0619-003Z | TACT SWITCH | VOL+ | |

## LED & POWER SW P.W. BOARD ASS'Y (SGJ-7502A-M2)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| IC7701 | GP1UM281QK | IR DETECT UNIT | 38kHz | |
| Q7702 | UN2112-X | TRANSISTOR | | |
| D7701 | LG22440 | LED | POWER | |
| C7701 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M | |
| R7708 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J | |
| R7709 | NRSA63J-561X | MG RESISTOR | 560Ω 1/16W J | |
| R7710 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R7711 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| CN700B | QGA2501C5-05Z | CONNECTOR | W-B (1-5) | |
| S7701 | QSW0847-001 | TACT SWITCH | POWER | |

# PRINTED WIRING BOARD PARTS LIST [AV-27FA54 /AZA]

## MAIN P.W. BOARD ASS'Y (SGJ-1514A-M2)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| IC101 | M52342SP | IC | | |
| IC201 | TM8812CSDNG4UC1 | IC(MCU) | | |
| IC421 | LA7841 | IC | | |
| IC502 | CXA1875AM-X | IC | | |
| IC601 | TA1287F-X | IC | | |
| IC602 | M52055FP-X | IC | | |
| IC621 | AN5277 | IC | | |
| IC702 | AT24WC04-32FA54 | IC | (SERVICE) | |
| IC703 | S-80840CNY-T | IC | | |
| IC704 | AN78L05-T | IC | | |
| IC851 | L7812CP | IC | | |
| IC852 | L7809CP | IC | | |
| IC853 | L7805CP | IC | | |
| ⚠IC911 | STR-F6626/F3 | IC | | |
| ⚠IC921 | SE135N | IC | | |
| Q001 | UN2212-X | DIGI TRANSISTOR | | |
| Q101 | 2SC5083/L-P/-T | TRANSISTOR | | |
| Q131 | 2SB709A/QR/-X | TRANSISTOR | | |
| Q161 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q211 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q232 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q233 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q352 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q353 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q431 | UN2212-X | DIGI TRANSISTOR | | |
| Q501 | 2SC4212/Z1/ | TRANSISTOR | | |
| ⚠Q511 | 2SD2645-YD | TRANSISTOR | H OUT | |
| Q531 | 2SC2785/JH/-T | SI TRANSISTOR | | |
| Q532 | 2SB709A/QR/-X | TRANSISTOR | | |
| Q541 | 2SB709A/QR/-X | TRANSISTOR | | |
| Q542 | 2SB709A/QR/-X | TRANSISTOR | | |
| Q543 | 2SD1408/OY/-LB | POW TRANSISTOR | | |
| Q622 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q623 | UN2212-X | DIGI TRANSISTOR | | |
| Q624 | 2SB709A/QR/-X | TRANSISTOR | | |
| Q700 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q701 | 2SB709A/QR/-X | TRANSISTOR | | |
| Q705 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q951 | 2SD1383K/AB/-X | TRANSISTOR | | |
| Q971 | 2SA1208/ST/Z1-T | TRANSISTOR | | |
| D305 | 1SS133-T2 | DIODE | | |
| D306 | 1SS133-T2 | DIODE | | |
| D307 | 1SS133-T2 | DIODE | | |
| D308 | 1SS133-T2 | DIODE | | |
| D309 | 1SS133-T2 | DIODE | | |
| D310 | 1SS133-T2 | DIODE | | |
| D352 | MTZJ9.1C-T2 | Z DIODE | | |
| D353 | 1SS133-T2 | DIODE | | |
| D354 | MTZJ3.3A-T2 | Z DIODE | | |
| D421 | 1N4003-T2 | SI DIODE | | |
| D422 | MTZJ75-T2 | Z DIODE | | |
| D432 | 1SS133-T2 | DIODE | | |
| D501 | RH3G-F1 | SI DIODE | | |
| D502 | RU3AM-LFC4 | SI DIODE | | |
| D507 | RGP10J-5025-T3 | SI DIODE | | |
| D521 | RH1S-T3 | SI DIODE | | |
| D523 | RGP10J-5025-T3 | SI DIODE | | |
| D525 | 1SS81-T5 | SI DIODE | | |
| D526 | 1SS81-T5 | SI DIODE | | |
| D527 | 1SR124-400A-T2 | SI DIODE | | |
| D529 | MTZJ9.1C-T2 | Z DIODE | | |
| ⚠D531 | MA4068N/Z1/-T2 | Z DIODE | | |
| D535 | 1SS133-T2 | DIODE | | |
| D537 | 1SR35-400A-T2 | SI DIODE | | |
| D601 | MTZJ9.1C-T2 | Z DIODE | | |
| D602 | MTZJ9.1C-T2 | Z DIODE | | |
| D603 | MTZJ9.1C-T2 | Z DIODE | | |
| D604 | MTZJ9.1C-T2 | Z DIODE | | |
| D605 | MTZJ9.1C-T2 | Z DIODE | | |
| D606 | MTZJ9.1C-T2 | Z DIODE | | |
| D621 | 1SS133-T2 | DIODE | | |
| D622 | 1SS133-T2 | DIODE | | |
| D630 | 1SS133-T2 | DIODE | | |
| D633 | 1SS133-T2 | DIODE | | |
| D653 | 1SS133-T2 | DIODE | | |
| D654 | 1SS133-T2 | DIODE | | |
| D700 | MTZJ5.6B-T2 | Z DIODE | | |
| D701 | 1SS133-T2 | DIODE | | |
| D703 | MTZJ5.6B-T2 | Z DIODE | | |
| D704 | MTZJ5.6B-T2 | Z DIODE | | |
| D705 | 1SS133-T2 | DIODE | | |
| D706 | MTZJ5.6B-T2 | Z DIODE | | |
| D707 | MTZJ5.6B-T2 | Z DIODE | | |
| D708 | MTZJ5.6B-T2 | Z DIODE | | |
| D709 | MTZJ5.6B-T2 | Z DIODE | | |
| D721 | 1SS133-T2 | DIODE | | |
| D722 | 1SS133-T2 | DIODE | | |
| D723 | MTZJ5.6B-T2 | Z DIODE | | |
| D810 | MTZJ5.6B-T2 | Z DIODE | | |
| ⚠D901 | GSIB460-S1 | BRIDGE DIODE | | |
| D910 | MA700A-T2 | SB DIODE | | |
| D911 | RGP10J-5025-T3 | SI DIODE | | |
| D912 | RGP10J-5025-T3 | SI DIODE | | |
| D913 | RGP10J-5025-T3 | SI DIODE | | |
| D914 | 1SS133-T2 | DIODE | | |
| D915 | SARS01-T2 | SI DIODE | | |
| D917 | MTZJ30A-T2 | Z DIODE | | |
| D918 | MTZJ5.1C-T2 | Z DIODE | | |
| D920 | 1SS133-T2 | DIODE | | |
| D931 | RU30A-F1 | SI DIODE | | |
| D933 | RU3YX-LFC4 | SI DIODE | | |
| D935 | RU3YX-LFC4 | SI DIODE | | |
| D937 | RU3YX-LFC4 | SI DIODE | | |
| D941 | MTZJ33A-T2 | Z DIODE | | |
| D945 | MTZJ9.1B-T2 | Z DIODE | | |
| D952 | 1SS133-T2 | DIODE | | |
| D953 | 1SS133-T2 | DIODE | | |
| D954 | 1SR35-400A-T2 | SI DIODE | | |
| D955 | 1SR35-400A-T2 | SI DIODE | | |
| D956 | 1SR35-400A-T2 | SI DIODE | | |
| D957 | 1SR35-400A-T2 | SI DIODE | | |
| D972 | MTZJ15C-T2 | Z DIODE | | |
| D973 | 1SS133-T2 | DIODE | | |
| ⚠PC921 | TLP421F/D4-GR/ | PHOTO COUPLER | | |
| C001 | QETN1HM-475Z | E CAPACITOR | 4.7uF 50V M | |
| C003 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C004 | QETN1CM-108Z | E CAPACITOR | 1000uF 16V M | |
| C006 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M | |
| C101 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C102 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C104 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C105 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C106 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M | |
| C107 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C113 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C114 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C116 | QFVF1HJ-224Z | MF CAPACITOR | 0.22uF 50V J | |
| C117 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M | |
| C118 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C119 | NDC31HJ-681X | C CAPACITOR | 680pF 50V J | |
| C120 | QETN1HM-474Z | E CAPACITOR | 0.47uF 50V M | |
| C124 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C131 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C161 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C163 | NDC31HJ-470X | C CAPACITOR | 47pF 50V J | |
| C164 | NDC31HJ-470X | C CAPACITOR | 47pF 50V J | |
| C165 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C166 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C202 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M | |
| C203 | NCB31HK-152X | C CAPACITOR | 1500pF 50V K | |
| C211 | QENC1CM-106Z | BP E CAPACITOR | 10uF 16V M | |
| C212 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J | |
| C221 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C222 | QFVF1HJ-104Z | MF CAPACITOR | 0.1uF 50V J | |
| C223 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C233 | NDC31HJ-680X | C CAPACITOR | 68pF 50V J | |
| C237 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C241 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C242 | QETN1HM-225Z | E CAPACITOR | 2.2uF 50V M | |
| C243 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | |
| C244 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C281 | QFVF1HJ-474Z | MF CAPACITOR | 0.47uF 50V J | |
| C282 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | |
| C283 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C284 | QETN1HM-225Z | E CAPACITOR | 2.2uF 50V M | |
| C285 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C286 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C287 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | |
| C288 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C302 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C352 | QETN1CM-476Z | E CAPACITOR | 47uF 16V M | |
| C354 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| C391 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C392 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C422 | QFN32AK-102Z | M CAPACITOR | 1000pF 100V K |
| C424 | QETN1VM-107Z | E CAPACITOR | 100uF 35V M |
| C425 | QETN1VM-477Z | E CAPACITOR | 470uF 35V M |
| C427 | QETN1HM-225Z | E CAPACITOR | 2.2uF 50V M |
| C428 | QETM1EM-228 | E CAPACITOR | 2200uF 25V M |
| C431 | QFLC2AK-563Z | M CAPACITOR | 0.056uF 100V K |
| C432 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C433 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C435 | NCB21HK-183X | C CAPACITOR | 0.018uF 50V K |
| C440 | QCS32HJ-100Z | C CAPACITOR | 10pF 500V J |
| C501 | QCB32HK-151Z | C CAPACITOR | 150pF 500V K |
| C502 | QCB32HK-331Z | C CAPACITOR | 330pF 500V K |
| C503 | QEHR2CM-105Z | E CAPACITOR | 1uF 160V M |
| C504 | QEZ0203-107 | E CAPACITOR | 100uF 160V M |
| C505 | QENC2AM-225Z | BP E CAPACITOR | 2.2uF 100V M |
| C507 | QEM61HK-475Z | E CAPACITOR | 4.7uF 50V K |
| C508 | QEM61HK-475Z | E CAPACITOR | 4.7uF 50V K |
| ⚠C510 | QFZ0196-612 | MPP CAPACITOR | 6100pF 1.5kV H |
| ⚠C513 | QFZ0196-113 | MPP CAPACITOR | 0.011uF 1.5kV H |
| C514 | QFP32GJ-183 | PP CAPACITOR | 0.018uF 400V J |
| C515 | QFZ0197-354 | MPP CAPACITOR | 0.35uF 250V J |
| C516 | QCB32HK-561Z | C CAPACITOR | 560pF 500V K |
| C521 | QETN2EM-106Z | E CAPACITOR | 10uF 250V M |
| C523 | QEHR1VM-108Z | E CAPACITOR | 1000uF 35V M |
| C525 | QETN1VM-107Z | E CAPACITOR | 100uF 35V M |
| C526 | QFV21HJ-824Z | MF CAPACITOR | 0.82uF 50V J |
| C527 | QFLC2AJ-103Z | M CAPACITOR | 0.01uF 100V J |
| C533 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C561 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C562 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C601 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C602 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C603 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C604 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K |
| C605 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K |
| C606 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K |
| C607 | QETN1AM-477Z | E CAPACITOR | 470uF 10V M |
| C608 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C609 | QFVF1HJ-104Z | MF CAPACITOR | 0.1uF 50V J |
| C610 | QFVF1HJ-104Z | MF CAPACITOR | 0.1uF 50V J |
| C611 | QFVF1HJ-104Z | MF CAPACITOR | 0.1uF 50V J |
| C612 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C613 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C614 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C615 | QETN1AM-477Z | E CAPACITOR | 470uF 10V M |
| C616 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C621 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K |
| C622 | NCF21CZ-105X | C CAPACITOR | 1uF 16V Z |
| C623 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K |
| C624 | NCF21CZ-105X | C CAPACITOR | 1uF 16V Z |
| C625 | QETN1VM-107Z | E CAPACITOR | 100uF 35V M |
| C626 | QETN1VM-108Z | E CAPACITOR | 1000uF 35V M |
| C627 | QETN1HM-474Z | E CAPACITOR | 0.47uF 50V M |
| C628 | QETN1EM-108Z | E CAPACITOR | 1000uF 25V M |
| C629 | QETN1EM-108Z | E CAPACITOR | 1000uF 25V M |
| C633 | QETN1CM-477Z | E CAPACITOR | 470uF 16V M |
| C636 | QETN1HM-474Z | E CAPACITOR | 0.47uF 50V M |
| C637 | QETN1HM-474Z | E CAPACITOR | 0.47uF 50V M |
| C638 | QFV71HJ-124Z | MF CAPACITOR | 0.12uF 50V J |
| C639 | QFV71HJ-124Z | MF CAPACITOR | 0.12uF 50V J |
| C641 | QETN1HM-475Z | E CAPACITOR | 4.7uF 50V M |
| C652 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K |
| C653 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K |
| C654 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K |
| C655 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C656 | NDC31HJ-150X | C CAPACITOR | 15pF 50V J |
| C657 | NDC31HJ-150X | C CAPACITOR | 15pF 50V J |
| C658 | NDC31HJ-150X | C CAPACITOR | 15pF 50V J |
| C700 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K |
| C701 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C702 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C703 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C704 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C705 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C706 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M |
| C708 | NDC31HJ-220X | C CAPACITOR | 22pF 50V J |
| C709 | NDC31HJ-220X | C CAPACITOR | 22pF 50V J |
| C711 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C712 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C716 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C721 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C726 | NDC31HJ-561X | C CAPACITOR | 560pF 50V J |
| C728 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C807 | QETN1AM-477Z | E CAPACITOR | 470uF 10V M |
| C813 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K |

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| C815 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C851 | QETN1EM-107Z | E CAPACITOR | 100uF 25V M |
| C852 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C853 | QETN1CM-227Z | E CAPACITOR | 220uF 16V M |
| C854 | QETN1CM-227Z | E CAPACITOR | 220uF 16V M |
| C856 | QEHR1CM-227Z | E CAPACITOR | 220uF 16V M |
| C857 | QETN1CM-477Z | E CAPACITOR | 470uF 16V M |
| ⚠C901 | QFZ9072-104 | MM CAPACITOR | 0.1uF AC250V K |
| ⚠C902 | QFZ9072-473 | MM CAPACITOR | 0.047uF AC250V K |
| ⚠C903 | QFZ9072-104 | MM CAPACITOR | 0.1uF AC250V K |
| ⚠C904 | QCZ9054-102 | C CAPACITOR | 1000pF AC250V Z |
| ⚠C905 | QCZ9054-102 | C CAPACITOR | 1000pF AC250V Z |
| ⚠C906 | QCZ9054-102 | C CAPACITOR | 1000pF AC250V Z |
| C907 | QEZ0644-567 | E CAPACITOR | 560uF 200V K |
| ⚠C908 | QCZ9054-102 | C CAPACITOR | 1000pF AC250V Z |
| C912 | QCZ0340-222 | C CAPACITOR | 2200pF 2kV K |
| C913 | QFLC1HJ-471Z | M CAPACITOR | 470pF 50V J |
| C914 | QETN1HM-107Z | E CAPACITOR | 100uF 50V M |
| C916 | NDC31HJ-331X | C CAPACITOR | 330pF 50V J |
| C917 | NCB31HK-182X | C CAPACITOR | 1800pF 50V K |
| C918 | NCB21HK-104X | C CAPACITOR | 0.1uF 50V K |
| C919 | QFP32GJ-103 | PP CAPACITOR | 0.01uF 400V J |
| C931 | QEZ0203-227 | E CAPACITOR | 220uF 160V M |
| C932 | QETN1EM-108Z | E CAPACITOR | 1000uF 25V M |
| C933 | QETN1CM-108Z | E CAPACITOR | 1000uF 16V M |
| C934 | NDC31HJ-221X | C CAPACITOR | 220pF 50V J |
| C935 | QETN1VM-108Z | E CAPACITOR | 1000uF 35V M |
| C937 | QCZ0340-102 | C CAPACITOR | 1000pF 2kV K |
| C938 | QETN1CM-108Z | E CAPACITOR | 1000uF 16V M |
| C939 | QCB32HK-152Z | C CAPACITOR | 1500pF 500V K |
| C941 | QCB32HK-102Z | C CAPACITOR | 1000pF 500V K |
| C942 | QEHR1HM-105Z | E CAPACITOR | 1uF 50V M |
| C943 | QETN1CM-108Z | E CAPACITOR | 1000uF 16V M |
| C951 | QETN1EM-477Z | E CAPACITOR | 470uF 25V M |
| C952 | QETN1CM-227Z | E CAPACITOR | 220uF 16V M |
| C971 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C972 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C973 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| ⚠C997 | QCZ9052-102 | C CAPACITOR | 1000pF AC125V M |
| ⚠C998 | QCZ9074-103 | C CAPACITOR | 0.01uF AC250V M |
| ⚠C999 | QCZ9074-103 | C CAPACITOR | 0.01uF AC250V M |
| R002 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R003 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R004 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R005 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R008 | NRSA63J-820X | MG RESISTOR | 82Ω 1/16W J |
| R009 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R101 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R102 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J |
| R103 | QRE121J-101Y | C RESISTOR | 100Ω 1/2W J |
| R104 | NRSA63J-180X | MG RESISTOR | 18Ω 1/16W J |
| R105 | NRSA63J-270X | MG RESISTOR | 27Ω 1/16W J |
| R111 | NRSA63J-394X | MG RESISTOR | 390kΩ 1/16W J |
| R112 | NRSA63J-334X | MG RESISTOR | 330kΩ 1/16W J |
| R113 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R115 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R116 | NRSA63J-680X | MG RESISTOR | 68Ω 1/16W J |
| R117 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J |
| R118 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R131 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R132 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J |
| R133 | NRSA63J-821X | MG RESISTOR | 820Ω 1/16W J |
| R134 | NRSA63J-561X | MG RESISTOR | 560Ω 1/16W J |
| R135 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R161 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R162 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R163 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R164 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R165 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R166 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R167 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R168 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R169 | NRSA63J-561X | MG RESISTOR | 560Ω 1/16W J |
| R171 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R201 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R212 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J |
| R215 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R216 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R217 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R222 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R227 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R231 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J |
| R237 | NRSA63J-392X | MG RESISTOR | 3.9kΩ 1/16W J |
| R238 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R241 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R243 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J |

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| R281 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J |
| R282 | NRSA63J-392X | MG RESISTOR | 3.9kΩ 1/16W J |
| R283 | NRSA63J-681X | MG RESISTOR | 680Ω 1/16W J |
| R286 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R287 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R288 | NRSA02J-471X | MG RESISTOR | 470Ω 1/10W J |
| R289 | NRSA63J-154X | MG RESISTOR | 150kΩ 1/16W J |
| R290 | NRSA02J-561X | MG RESISTOR | 560Ω 1/10W J |
| R292 | NRSA63J-124X | MG RESISTOR | 120kΩ 1/16W J |
| R293 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J |
| R301 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R302 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R303 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R304 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R305 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R306 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R318 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R319 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R352 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R354 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R355 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R356 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R358 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R359 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R360 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| R421 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J |
| R423 | NRSA63J-393X | MG RESISTOR | 39kΩ 1/16W J |
| R424 | NRSA63J-393X | MG RESISTOR | 39kΩ 1/16W J |
| R426 | NRSA63J-183X | MG RESISTOR | 18kΩ 1/16W J |
| R427 | QRT029J-1R5 | MF RESISTOR | 1.5Ω 2W J |
| R429 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J |
| R430 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R431 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J |
| R432 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R433 | NRSA63J-681X | MG RESISTOR | 680Ω 1/16W J |
| R434 | QRL029J-181 | OMF RESISTOR | 180Ω 2W J |
| R435 | QRE121J-102Y | C RESISTOR | 1kΩ 1/2W J |
| R441 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R447 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R449 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J |
| R501 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R502 | NRSA63J-271X | MG RESISTOR | 270Ω 1/16W J |
| R503 | QRE121J-103Y | C RESISTOR | 10kΩ 1/2W J |
| R504 | QRL039J-152 | OMF RESISTOR | 1.5kΩ 3W J |
| R505 | QRL039J-182 | OMF RESISTOR | 1.8kΩ 3W J |
| R506 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R508 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R509 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R511 | QRE121J-220Y | C RESISTOR | 22Ω 1/2W J |
| R512 | QRE121J-681Y | C RESISTOR | 680Ω 1/2W J |
| R513 | QRL039J-273 | OMF RESISTOR | 27kΩ 3W J |
| R515 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R516 | QRZ0221-2R0 | OMF RESISTOR | 2Ω 7W K |
| R524 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J |
| R526 | QRE121J-272Y | C RESISTOR | 2.7kΩ 1/2W J |
| R527 | QRE121J-124Y | C RESISTOR | 120kΩ 1/2W J |
| R528 | QRE121J-154Y | C RESISTOR | 150kΩ 1/2W J |
| R529 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J |
| ⚠R531 | QRJ146J-391X | UNF C RESISTOR | 390Ω 1/4W J |
| R532 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J |
| R533 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R534 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| ⚠R535 | NRVA02D-242X | CMF RESISTOR | 2.4kΩ 1/10W D |
| ⚠R537 | NRVA02D-682X | CMF RESISTOR | 6.8kΩ 1/10W D |
| R538 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R541 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R543 | QRE121J-122Y | C RESISTOR | 1.2kΩ 1/2W J |
| R544 | QRE121J-392Y | C RESISTOR | 3.9kΩ 1/2W J |
| R545 | QRE121J-822Y | C RESISTOR | 8.2kΩ 1/2W J |
| R546 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J |
| R547 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R548 | QRE121J-152Y | C RESISTOR | 1.5kΩ 1/2W J |
| R553 | QRL039J-390 | OMF RESISTOR | 39Ω 3W J |
| ⚠R554 | QRK126J-150X | UNF C RESISTOR | 15Ω 1/2W J |
| R555 | QRX029J-3R3 | MF RESISTOR | 3.3Ω 2W J |
| R561 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R562 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R601 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R602 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R603 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R604 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R605 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R606 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R614 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R615 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R616 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R617 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R618 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R621 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R622 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J |
| R623 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R624 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J |
| R626 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R627 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R628 | QRK126J-102X | UNF C RESISTOR | 1kΩ 1/2W J |
| R629 | QRK126J-102X | UNF C RESISTOR | 1kΩ 1/2W J |
| R631 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R632 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R633 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R637 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R638 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R639 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R640 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R641 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R644 | QRJ146J-2R2X | UNF C RESISTOR | 2.2Ω 1/4W J |
| R645 | QRJ146J-2R2X | UNF C RESISTOR | 2.2Ω 1/4W J |
| R647 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R655 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J |
| R657 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R700 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R701 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R702 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R704 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R705 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R706 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R707 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R708 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R709 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R714 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J |
| R715 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R718 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R721 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R728 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R729 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R731 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R732 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R733 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R734 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R737 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R739 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R740 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R754 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R755 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J |
| R756 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R764 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R765 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R766 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R767 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R769 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R772 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R775 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R776 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R811 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R812 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R816 | NRSA63J-124X | MG RESISTOR | 120kΩ 1/16W J |
| R821 | NRSA63J-184X | MG RESISTOR | 180kΩ 1/16W J |
| R822 | NRSA63J-124X | MG RESISTOR | 120kΩ 1/16W J |
| R827 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R857 | QRL029J-820 | OMF RESISTOR | 82Ω 2W J |
| R858 | QRL029J-180 | OMF RESISTOR | 18Ω 2W J |
| R901 | QRF074K-1R2 | UNF WW RESISTOR | 1.2Ω 7W K |
| R909 | QRG01GJ-470 | OMF RESISTOR | 47Ω 1W J |
| R911 | QRE121J-223Y | C RESISTOR | 22kΩ 1/2W J |
| R912 | QRT029J-R18 | MF RESISTOR | 0.18Ω 2W J |
| R913 | QRT029J-R15 | MF RESISTOR | 0.15Ω 2W J |
| ⚠R914 | QRK126J-681X | UNF C RESISTOR | 680Ω 1/2W J |
| ⚠R915 | QRK129J-6R8 | UNF C RESISTOR | 6.8Ω 1/2W J |
| ⚠R917 | QRK126J-332X | UNF C RESISTOR | 3.3kΩ 1/2W J |
| R918 | QRE121J-222Y | C RESISTOR | 2.2kΩ 1/2W J |
| R919 | QRE121J-684Y | C RESISTOR | 680kΩ 1/2W J |
| R924 | QRE121J-222Y | C RESISTOR | 2.2kΩ 1/2W J |
| R930 | QRE121J-223Y | C RESISTOR | 22kΩ 1/2W J |
| R939 | QRT039J-1R5 | MF RESISTOR | 1.5Ω 3W J |
| R940 | QRE121J-181Y | C RESISTOR | 180Ω 1/2W J |
| R941 | QRL029J-183 | OMF RESISTOR | 18kΩ 2W J |
| R950 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R951 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R952 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R953 | QRE121J-820Y | C RESISTOR | 82Ω 1/2W J |
| R973 | QRE121J-272Y | C RESISTOR | 2.7kΩ 1/2W J |
| R975 | QRE121J-223Y | C RESISTOR | 22kΩ 1/2W J |
| R977 | QRE121J-473Y | C RESISTOR | 47kΩ 1/2W J |
| R978 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R979 | QRT029J-1R0 | MF RESISTOR | 1Ω 2W J |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| R980 | QRT029J-1R0 | MF RESISTOR | 1Ω 2W J | |
| ⚠R998 | QRZ9041-275 | C RESISTOR | 2.7MΩ 1/2W K | |
| R999 | QRE121J-121Y | C RESISTOR | 120Ω 1/2W J | |
| L001 | QQL244K-560Z | COIL | 56uH K | |
| L101 | QQLZ014-R22 | COIL | 0.22uH 100mA L | |
| L113 | QQL244K-4R7Z | COIL | 4.7uH K | |
| L131 | QQL244K-150Z | COIL | 15uH K | |
| L161 | QQL244K-220Z | COIL | 22uH K | |
| L232 | QQL244K-560Z | COIL | 56uH K | |
| L241 | QQL244K-220Z | COIL | 22uH K | |
| L391 | QQL244K-220Z | COIL | 22uH K | |
| L511 | QQR1165-004 | LINEARITY COIL | | |
| L512 | QQLZ036-821 | COIL | 820uH K | |
| L521 | QQLZ026-800 | COIL | 80uH ±7% | |
| L701 | QQL244K-220Z | COIL | 22uH K | |
| L702 | QQL244K-220Z | COIL | 22uH K | |
| L703 | QQL244K-220Z | COIL | 22uH K | |
| L704 | QQL244K-220Z | COIL | 22uH K | |
| L705 | QQL244K-220Z | COIL | 22uH K | |
| L931 | QQL26AK-470Z | COIL | 47uH K | |
| L933 | QQL26AK-470Z | COIL | 47uH K | |
| L937 | QQL26AK-470Z | COIL | 47uH K | |
| L940 | QQR0582-001Z | FERRITE BEADS | | |
| T111 | QQR0907-001 | IFT | | |
| T501 | CE42034-002 | HOR DRIVE TRANS | | |
| ⚠T921 | QQS0225-001 | SW TRANSF | | |
| ⚠T951 | QQT0372-001 | POWER TRANSF | | |
| CF001 | QAX0349-001 | C TRAP | 47.25MHz | |
| CF131 | QAX0639-001Z | C TRAP | 4.500MHz | |
| CF161 | QAX0642-001Z | C FILTER | 4.500MHz | |
| CN001 | QGB1505J1-35 | CONNECTOR | B-B (1-35) | |
| CN002 | QGB1505J1-25 | CONNECTOR | B-B (1-25) | |
| CN004 | QGA2501C5-07Z | CONNECTOR | W-B (1-7) | |
| CN005 | QGA2501C5-06Z | CONNECTOR | W-B (1-6) | |
| CN007 | QGA2501C5-06Z | CONNECTOR | W-B (1-6) | |
| CN00C | QGA2501F1-06 | CONNECTOR | W-B (1-6) | |
| CN0E1 | CE41507-001P | LV CONNECTOR | | |
| CN0E3 | CE41507-001P | LV CONNECTOR | | |
| CN0HV | QGZ5004C1-06 | CONNECTOR | (1-6) | |
| CN0S1 | QGA2501C5-05Z | CONNECTOR | W-B (1-5) | |
| CN0SS | QGA2501C5-04Z | CONNECTOR | W-B (1-4) | |
| ⚠CP932 | ICP-N70-T | IC PROTECTOR | 2.5A | |
| ⚠CP933 | ICP-N70-T | IC PROTECTOR | 2.5A | |
| ⚠CP936 | ICP-N70-T | IC PROTECTOR | 2.5A | |
| ⚠F901 | QMF51N1-5R0-J5 | FUSE | 5A AC125V | |
| ⚠F905 | QMFZ049-5R0Z-E | FUSE | 5A 125V | |
| FC901 | CEMG002-001Z | FUSE CLIP | | |
| FC902 | CEMG002-001Z | FUSE CLIP | | |
| ⚠FR525 | QRZ9017-4R7 | FUSI RESISTOR | 4.7Ω 1/4W J | |
| ⚠FR527 | QRZ9011-470 | FUSI RESISTOR | 47Ω 1/2W J | |
| HS001 | LC32313-001A | HEAT SINK/AL-F/ | | |
| HS002 | LC31948-001A | HEAT SINK/AL-F/ | | |
| HS003 | LC31677-001A | HEAT SINK/AL-F/ | | |
| HS004 | CEHE015-001WU | HEAT SINK | | |
| HS005 | CM42862-00G-H | HEAT SINK ASSY | | |
| HS007 | CEHT11B-002QS | HEAT SINK | | |
| J601 | QNN0349-002 | PIN JACK | INPUT-2 COMP | |
| J602 | QNN0349-002 | PIN JACK | INPUT-4 COMP | |
| J810 | QNS0001-001 | 3.5 JACK | AV COMPLINK III | |
| K401 | QQR0621-002Z | FERRITE BEADS | | |
| K912 | QQR0582-001Z | FERRITE BEADS | | |
| K916 | QQR0582-001Z | FERRITE BEADS | | |
| K917 | QQR0582-001Z | FERRITE BEADS | | |
| K918 | QQR0582-001Z | FERRITE BEADS | | |
| K920 | QQR0872-002 | FERRITE BEADS | | |
| K931 | QQR0582-001Z | FERRITE BEADS | | |
| K932 | QQR0582-001Z | FERRITE BEADS | | |
| K933 | QQR0582-001Z | FERRITE BEADS | | |
| K935 | QQR0582-001Z | FERRITE BEADS | | |
| K937 | QQR0582-001Z | FERRITE BEADS | | |
| LC601 | QQR1199-001 | EMI FILTER | | |
| LC602 | QQR1199-001 | EMI FILTER | | |
| LC603 | QQR1199-001 | EMI FILTER | | |
| LC604 | QQR1199-001 | EMI FILTER | | |
| LC605 | QQR1199-001 | EMI FILTER | | |
| LC606 | QQR1199-001 | EMI FILTER | | |
| ⚠LF901 | QQR1159-001 | LINE FILTER | | |
| ⚠LF902 | QQR0527-004 | LINE FILTER | | |
| ⚠RY951 | QSK0085-001 | RELAY | | |
| S421 | QSL4A13-C02 | LEVER SWITCH | V.CENTER | |
| SF101 | QAX0723-001 | SAW FILTER | | |
| ⚠TH901 | QAD0132-3R0 | P THERMISTOR | 3Ω | |
| ⚠TU001 | QAU0272-001 | TUNER | MAIN | |
| ⚠VA901 | ERZV10V621CS | ZNR | | |
| X701 | QAX0717-001Z | CRYSTAL | 8.000MHz | |

## CRT SOCKET P.W. BOARD ASS'Y (SGJ-3506A-M2)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| Q3103 | 2SA933AS/QR/-T | TRANSISTOR | | |
| Q3105 | 2SC1740S/QR/-T | TRANSISTOR | | |
| Q3106 | 2SA933AS/QR/-T | TRANSISTOR | | |
| Q3107 | 2SA1964/DE/ | POW TRANSISTOR | | |
| Q3108 | 2SC5248/DE/ | POW TRANSISTOR | | |
| Q3109 | 2SC1740S/QR/-T | TRANSISTOR | | |
| Q3151 | 2SC1740S/QR/-T | TRANSISTOR | | |
| Q3152 | 2SA933AS/QR/-T | TRANSISTOR | | |
| Q3301 | 2SC5083/L-P/-T | TRANSISTOR | | |
| Q3302 | 2SC5083/L-P/-T | TRANSISTOR | | |
| Q3303 | 2SC5083/L-P/-T | TRANSISTOR | | |
| Q3304 | 2SC5147/CDE/F43 | POW TRANSISTOR | | |
| Q3305 | 2SC5147/CDE/F43 | POW TRANSISTOR | | |
| Q3306 | 2SC5147/CDE/F43 | POW TRANSISTOR | | |
| Q3351 | 2SA933AS/QR/-T | TRANSISTOR | | |
| D3101 | 1SS133-T2 | DIODE | | |
| D3105 | RH1S-T3 | SI DIODE | | |
| D3106 | RH1S-T3 | SI DIODE | | |
| D3301 | 1SS133-T2 | DIODE | | |
| D3302 | 1SS133-T2 | DIODE | | |
| D3303 | 1SS133-T2 | DIODE | | |
| D3304 | 1SS82-T2 | SI DIODE | | |
| D3305 | 1SS82-T2 | SI DIODE | | |
| D3306 | 1SS82-T2 | SI DIODE | | |
| D3311 | MTZJ3.6B-T2 | Z DIODE | | |
| D3312 | 1SS133-T2 | DIODE | | |
| D3313 | MTZJ4.3A-T2 | Z DIODE | | |
| D3314 | 1SS133-T2 | DIODE | | |
| D3331 | 1SS133-T2 | DIODE | | |
| D3351 | 1SS133-T2 | DIODE | | |
| D3352 | 1SS133-T2 | DIODE | | |
| D3353 | 1SS133-T2 | DIODE | | |
| D3354 | 1SS133-T2 | DIODE | | |
| C3101 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C3109 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | |
| C3110 | NDC31HJ-221X | C CAPACITOR | 220pF 50V J | |
| C3111 | NDC31HJ-221X | C CAPACITOR | 220pF 50V J | |
| C3113 | QETN2CM-106Z | E CAPACITOR | 10uF 160V M | |
| C3114 | QCB32HK-472Z | C CAPACITOR | 4700pF 500V K | |
| C3115 | QCB32HK-472Z | C CAPACITOR | 4700pF 500V K | |
| C3117 | QETN2CM-106Z | E CAPACITOR | 10uF 160V M | |
| C3118 | QETN0JM-107Z | E CAPACITOR | 100uF 6.3V M | |
| C3119 | QETN1AM-107Z | E CAPACITOR | 100uF 10V M | |
| C3120 | QETN1AM-337Z | E CAPACITOR | 330uF 10V M | |
| C3121 | QCS32HJ-151Z | C CAPACITOR | 150pF 500V J | |
| C3122 | NDC31HJ-5R0X | C CAPACITOR | 5pF 50V J | |
| C3125 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| C3151 | NCB21EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C3152 | NCB21EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C3301 | NDC31HJ-561X | C CAPACITOR | 560pF 50V J | |
| C3302 | NDC31HJ-391X | C CAPACITOR | 390pF 50V J | |
| C3303 | NDC31HJ-561X | C CAPACITOR | 560pF 50V J | |
| C3321 | QETN2EM-105Z | E CAPACITOR | 1uF 250V M | |
| C3322 | QETN2EM-105Z | E CAPACITOR | 1uF 250V M | |
| C3323 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | |
| C3351 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | |
| C3363 | QCZ0324-102 | C CAPACITOR | 1000pF 3kV P | |
| R3108 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3111 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R3114 | QRJ146J-100X | UNF C RESISTOR | 10Ω 1/4W J | |
| R3115 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R3116 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R3117 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R3119 | NRSA63J-121X | MG RESISTOR | 120Ω 1/16W J | |
| ⚠R3122 | QRZ9021-561 | FUSI RESISTOR | 560Ω 1W J | |
| R3123 | NRSA63J-122X | MG RESISTOR | 1.2kΩ 1/16W J | |
| R3124 | NRSA63J-390X | MG RESISTOR | 39Ω 1/16W J | |
| R3125 | NRSA63J-5R6X | MG RESISTOR | 5.6Ω 1/16W J | |
| R3126 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J | |
| R3127 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J | |
| R3128 | NRSA63J-122X | MG RESISTOR | 1.2kΩ 1/16W J | |
| R3129 | NRSA63J-5R6X | MG RESISTOR | 5.6Ω 1/16W J | |
| R3130 | NRSA63J-390X | MG RESISTOR | 39Ω 1/16W J | |
| R3131 | NRSA63J-121X | MG RESISTOR | 120Ω 1/16W J | |
| R3132 | QRL029J-391 | OMF RESISTOR | 390Ω 2W J | |
| R3134 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R3136 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R3139 | NRSA63J-681X | MG RESISTOR | 680Ω 1/16W J | |
| R3142 | NRSA63J-124X | MG RESISTOR | 120kΩ 1/16W J | |
| R3143 | NRSA63J-681X | MG RESISTOR | 680Ω 1/16W J | |
| R3145 | NRSA63J-5R6X | MG RESISTOR | 5.6Ω 1/16W J | |
| R3146 | NRSA63J-5R6X | MG RESISTOR | 5.6Ω 1/16W J | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| R3151 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R3152 | NRSA63J-683X | MG RESISTOR | 68kΩ 1/16W J | |
| R3153 | NRSA63J-683X | MG RESISTOR | 68kΩ 1/16W J | |
| R3154 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R3301 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J | |
| R3302 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J | |
| R3303 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J | |
| R3304 | NRSA63J-121X | MG RESISTOR | 120Ω 1/16W J | |
| R3305 | NRSA63J-121X | MG RESISTOR | 120Ω 1/16W J | |
| R3306 | NRSA63J-121X | MG RESISTOR | 120Ω 1/16W J | |
| R3307 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R3308 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R3309 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R3310 | QRG029J-153 | OMF RESISTOR | 15kΩ 2W J | |
| R3311 | QRG029J-153 | OMF RESISTOR | 15kΩ 2W J | |
| R3312 | QRG029J-153 | OMF RESISTOR | 15kΩ 2W J | |
| R3313 | QRG029J-183 | OMF RESISTOR | 18kΩ 2W J | |
| R3314 | QRG029J-183 | OMF RESISTOR | 18kΩ 2W J | |
| R3315 | QRG029J-183 | OMF RESISTOR | 18kΩ 2W J | |
| R3316 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3317 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3318 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3325 | QRC121K-102Z | COMP RESISTOR | 1kΩ 1/2W K | |
| R3326 | QRC121K-102Z | COMP RESISTOR | 1kΩ 1/2W K | |
| R3327 | QRC121K-102Z | COMP RESISTOR | 1kΩ 1/2W K | |
| R3331 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J | |
| R3332 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J | |
| R3333 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J | |
| R3334 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J | |
| R3335 | NRSA63J-271X | MG RESISTOR | 270Ω 1/16W J | |
| R3336 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3337 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3338 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3351 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R3352 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R3353 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R3354 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R3363 | QRC121K-474Z | COMP RESISTOR | 470kΩ 1/2W K | |
| L3301 | QQL244K-180Z | COIL | 18uH K | |
| L3302 | QQL244K-180Z | COIL | 18uH K | |
| L3303 | QQL244K-180Z | COIL | 18uH K | |
| L3304 | QQL244K-470Z | COIL | 47uH K | |
| L3305 | QQL244K-470Z | COIL | 47uH K | |
| L3306 | QQL244K-470Z | COIL | 47uH K | |
| CN3004 | QJB003-073226 | SIN ID C-B WIRE | | |
| CN3005 | WJA0029-001A | E-S ID WIRE | | |
| CN300V | QGA2501C5-03Z | CONNECTOR | W-B (1-3) | |
| CN30E2 | QUB130-38A6AS | SIN TWIST WIRE | | |
| CN30E4 | QUB130-38A6AS | SIN TWIST WIRE | | |
| HS3010 | CEHP00N-001QS | HEAT SINK | | |
| HS3011 | CEHP00N-001QS | HEAT SINK | | |
| HS3012 | CEHP00N-001QS | HEAT SINK | | |
| HS3013 | CEHP00N-001QS | HEAT SINK | | |
| HS3014 | CEHP00N-001QS | HEAT SINK | | |
| K3102 | CE41492-001Z | CHOKE COIL | | |
| K3103 | CE41492-001Z | CHOKE COIL | | |
| K3104 | CE41492-001Z | CHOKE COIL | | |
| K3105 | CE41492-001Z | CHOKE COIL | | |
| ⚠SK3001 | QNZ0464-001 | CRT SOCKET | | |

## PIP P.W. BOARD ASS'Y (SGJ-4001A-M2)

REFER TO PARTS LIST IN PAGE 3-10 FOR THIS P.W. BOARD.

## AV SELECTOR P.W. BOARD ASS'Y (SGJ-5503A-M2)

REFER TO PARTS LIST IN PAGE 3-11 FOR THIS P.W. BOARD.

## FRONT CONTROL P.W. BOARD ASS'Y (SGJ-6501A-M2)

REFER TO PARTS LIST IN PAGE 3-12 FOR THIS P.W. BOARD.

## LED & POWER SW P.W. BOARD ASS'Y (SGJ-7502A-M2)

REFER TO PARTS LIST IN PAGE 3-13 FOR THIS P.W. BOARD.

# PRINTED WIRING BOARD PARTS LIST [AV-32FA54 /AYA]

## MAIN P.W. BOARD ASS'Y (SGJ-1511A-M2)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| IC101 | M52342SP | IC | | |
| IC201 | TM8812CSDNG4UC1 | IC(MCU) | | |
| IC421 | LA7841 | IC | | |
| IC502 | CXA1875AM-X | IC | | |
| IC601 | TA1287F-X | IC | | |
| IC602 | M52055FP-X | IC | | |
| IC621 | AN5277 | IC | | |
| IC702 | AT24WC04-32FA54 | IC | (SERVICE) | |
| IC703 | S-80840CNY-T | IC | | |
| IC704 | AN78L05-T | IC | | |
| IC851 | L7812CP | IC | | |
| IC852 | L7809CP | IC | | |
| IC853 | L7805CP | IC | | |
| ⚠IC911 | STR-F6626/F3 | IC | | |
| ⚠IC921 | SE135N | IC | | |
| Q001 | UN2212-X | DIGI TRANSISTOR | | |
| Q101 | 2SC5083/L-P/-T | TRANSISTOR | | |
| Q131 | 2SB709A/QR/-X | TRANSISTOR | | |
| Q161 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q211 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q232 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q233 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q352 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q353 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q431 | UN2212-X | DIGI TRANSISTOR | | |
| Q451 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q501 | 2SC4212/Z1/ | TRANSISTOR | | |
| ⚠Q511 | 2SD2645-YD | TRANSISTOR | H OUT | |
| Q531 | 2SC2785/JH/-T | SI TRANSISTOR | | |
| Q532 | 2SB709A/QR/-X | TRANSISTOR | | |
| Q541 | 2SB709A/QR/-X | TRANSISTOR | | |
| Q542 | 2SB709A/QR/-X | TRANSISTOR | | |
| Q543 | 2SD1408/OY/-LB | POW TRANSISTOR | | |
| Q622 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q623 | UN2212-X | DIGI TRANSISTOR | | |
| Q624 | 2SB709A/QR/-X | TRANSISTOR | | |
| Q700 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q701 | 2SB709A/QR/-X | TRANSISTOR | | |
| Q705 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q951 | 2SD1383K/AB/-X | TRANSISTOR | | |
| Q971 | 2SA1208/ST/Z1-T | TRANSISTOR | | |
| D305 | 1SS133-T2 | DIODE | | |
| D306 | 1SS133-T2 | DIODE | | |
| D307 | 1SS133-T2 | DIODE | | |
| D308 | 1SS133-T2 | DIODE | | |
| D309 | 1SS133-T2 | DIODE | | |
| D310 | 1SS133-T2 | DIODE | | |
| D352 | MTZJ9.1C-T2 | Z DIODE | | |
| D353 | 1SS133-T2 | DIODE | | |
| D354 | MTZJ3.3A-T2 | Z DIODE | | |
| D421 | 1N4003-T2 | SI DIODE | | |
| D431 | 1SR35-400A-T2 | SI DIODE | | |
| D432 | 1SS133-T2 | DIODE | | |
| D501 | RH3G-F1 | SI DIODE | | |
| D502 | RU3AM-LFC4 | SI DIODE | | |
| D507 | RGP10J-5025-T3 | SI DIODE | | |
| D521 | RH1S-T3 | SI DIODE | | |
| D523 | EL1Z-T3 | SI DIODE | | |
| D524 | EL1Z-T3 | SI DIODE | | |
| D525 | 1SS81-T5 | SI DIODE | | |
| D526 | 1SS81-T5 | SI DIODE | | |
| D527 | 1SR124-400A-T2 | SI DIODE | | |
| D529 | MTZJ9.1C-T2 | Z DIODE | | |
| ⚠D531 | MA4068N/Z1/-T2 | Z DIODE | | |
| D535 | 1SS133-T2 | DIODE | | |
| D537 | 1SR35-400A-T2 | SI DIODE | | |
| D601 | MTZJ9.1C-T2 | Z DIODE | | |
| D602 | MTZJ9.1C-T2 | Z DIODE | | |
| D603 | MTZJ9.1C-T2 | Z DIODE | | |
| D604 | MTZJ9.1C-T2 | Z DIODE | | |
| D605 | MTZJ9.1C-T2 | Z DIODE | | |
| D606 | MTZJ9.1C-T2 | Z DIODE | | |
| D621 | 1SS133-T2 | DIODE | | |
| D622 | 1SS133-T2 | DIODE | | |
| D630 | 1SS133-T2 | DIODE | | |
| D633 | 1SS133-T2 | DIODE | | |
| D653 | 1SS133-T2 | DIODE | | |
| D654 | 1SS133-T2 | DIODE | | |
| D700 | MTZJ5.6B-T2 | Z DIODE | | |
| D701 | 1SS133-T2 | DIODE | | |
| D703 | MTZJ5.6B-T2 | Z DIODE | | |
| D704 | MTZJ5.6B-T2 | Z DIODE | | |
| D705 | 1SS133-T2 | DIODE | | |
| D706 | MTZJ5.6B-T2 | Z DIODE | | |
| D707 | MTZJ5.6B-T2 | Z DIODE | | |
| D708 | MTZJ5.6B-T2 | Z DIODE | | |
| D709 | MTZJ5.6B-T2 | Z DIODE | | |
| D721 | 1SS133-T2 | DIODE | | |
| D722 | 1SS133-T2 | DIODE | | |
| D723 | MTZJ5.6B-T2 | Z DIODE | | |
| D810 | MTZJ5.6B-T2 | Z DIODE | | |
| ⚠D901 | GSIB460-S1 | BRIDGE DIODE | | |
| D910 | MA700A-T2 | SB DIODE | | |
| D911 | RGP10J-5025-T3 | SI DIODE | | |
| D912 | RGP10J-5025-T3 | SI DIODE | | |
| D913 | RGP10J-5025-T3 | SI DIODE | | |
| D914 | 1SS133-T2 | DIODE | | |
| D915 | SARS01-T2 | SI DIODE | | |
| D917 | MTZJ30A-T2 | Z DIODE | | |
| D918 | MTZJ5.1C-T2 | Z DIODE | | |
| D920 | 1SS133-T2 | DIODE | | |
| D931 | RU30A-F1 | SI DIODE | | |
| D933 | RU3YX-LFC4 | SI DIODE | | |
| D935 | RU3YX-LFC4 | SI DIODE | | |
| D937 | RU3YX-LFC4 | SI DIODE | | |
| D941 | MTZJ33A-T2 | Z DIODE | | |
| D945 | MTZJ9.1B-T2 | Z DIODE | | |
| D952 | 1SS133-T2 | DIODE | | |
| D953 | 1SS133-T2 | DIODE | | |
| D954 | 1SR35-400A-T2 | SI DIODE | | |
| D955 | 1SR35-400A-T2 | SI DIODE | | |
| D956 | 1SR35-400A-T2 | SI DIODE | | |
| D957 | 1SR35-400A-T2 | SI DIODE | | |
| D972 | MTZJ15C-T2 | Z DIODE | | |
| D973 | 1SS133-T2 | DIODE | | |
| ⚠PC921 | TLP421F/D4-GR/ | PHOTO COUPLER | | |
| C001 | QETN1HM-475Z | E CAPACITOR | 4.7uF 50V M | |
| C003 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C004 | QETN1CM-108Z | E CAPACITOR | 1000uF 16V M | |
| C006 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M | |
| C101 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C102 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C104 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C105 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C106 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M | |
| C107 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C113 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C114 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C116 | QFVF1HJ-224Z | MF CAPACITOR | 0.22uF 50V J | |
| C117 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M | |
| C118 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C119 | NDC31HJ-681X | C CAPACITOR | 680pF 50V J | |
| C120 | QETN1HM-474Z | E CAPACITOR | 0.47uF 50V M | |
| C124 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C131 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C161 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C163 | NDC31HJ-470X | C CAPACITOR | 47pF 50V J | |
| C164 | NDC31HJ-470X | C CAPACITOR | 47pF 50V J | |
| C165 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C166 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C202 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M | |
| C203 | NCB31HK-152X | C CAPACITOR | 1500pF 50V K | |
| C211 | QENC1CM-106Z | BP E CAPACITOR | 10uF 16V M | |
| C212 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J | |
| C221 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C222 | QFVF1HJ-104Z | MF CAPACITOR | 0.1uF 50V J | |
| C223 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C233 | NDC31HJ-680X | C CAPACITOR | 68pF 50V J | |
| C237 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C241 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C242 | QETN1HM-225Z | E CAPACITOR | 2.2uF 50V M | |
| C243 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | |
| C244 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C281 | QFVF1HJ-474Z | MF CAPACITOR | 0.47uF 50V J | |
| C282 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | |
| C283 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C284 | QETN1HM-225Z | E CAPACITOR | 2.2uF 50V M | |
| C285 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C286 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C287 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | |
| C288 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C302 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| C352 | QETN1CM-476Z | E CAPACITOR | 47uF 16V M |
| C354 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C391 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C392 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C422 | QFN32AK-102Z | M CAPACITOR | 1000pF 100V K |
| C424 | QETN1VM-107Z | E CAPACITOR | 100uF 35V M |
| C428 | QEHQ1VM-108 | E CAPACITOR | 1000uF 35V M |
| C429 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M |
| C431 | QFLC2AK-563Z | M CAPACITOR | 0.056uF 100V K |
| C432 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C433 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C435 | NCB21HK-183X | C CAPACITOR | 0.018uF 50V K |
| C440 | QCS32HJ-180Z | C CAPACITOR | 18pF 500V J |
| C501 | QCB32HK-151Z | C CAPACITOR | 150pF 500V K |
| C502 | QCB32HK-331Z | C CAPACITOR | 330pF 500V K |
| C503 | QEHR2CM-105Z | E CAPACITOR | 1uF 160V M |
| C504 | QEZ0203-107 | E CAPACITOR | 100uF 160V M |
| C505 | QENC2AM-225Z | BP E CAPACITOR | 2.2uF 100V M |
| C507 | QEZ0195-475Z | BP E CAPACITOR | 4.7uF 50V M |
| ⚠C510 | QFZ0200-422 | MPP CAPACITOR | 4200pF 1.5kV H |
| ⚠C513 | QFZ0198-153 | MPP CAPACITOR | 0.015uF 1.5kV H |
| C514 | QFP32GJ-223 | PP CAPACITOR | 0.022uF 400V J |
| C515 | QFZ0199-474 | MPP CAPACITOR | 0.47uF 250V J |
| C516 | QCB32HK-561Z | C CAPACITOR | 560pF 500V K |
| C521 | QETN2EM-106Z | E CAPACITOR | 10uF 250V M |
| C523 | QETN1EM-108Z | E CAPACITOR | 1000uF 25V M |
| C524 | QETN1EM-108Z | E CAPACITOR | 1000uF 25V M |
| C525 | QETN1VM-107Z | E CAPACITOR | 100uF 35V M |
| C526 | QFV21HJ-824Z | MF CAPACITOR | 0.82uF 50V J |
| C527 | QFLC2AJ-103Z | M CAPACITOR | 0.01uF 100V J |
| C533 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C561 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C562 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C601 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C602 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C603 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C604 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K |
| C605 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K |
| C606 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K |
| C607 | QETN1AM-477Z | E CAPACITOR | 470uF 10V M |
| C608 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C609 | QFVF1HJ-104Z | MF CAPACITOR | 0.1uF 50V J |
| C610 | QFVF1HJ-104Z | MF CAPACITOR | 0.1uF 50V J |
| C611 | QFVF1HJ-104Z | MF CAPACITOR | 0.1uF 50V J |
| C612 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C613 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C614 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C615 | QETN1AM-477Z | E CAPACITOR | 470uF 10V M |
| C616 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C621 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K |
| C622 | NCF21CZ-105X | C CAPACITOR | 1uF 16V Z |
| C623 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K |
| C624 | NCF21CZ-105X | C CAPACITOR | 1uF 16V Z |
| C625 | QETN1VM-107Z | E CAPACITOR | 100uF 35V M |
| C626 | QETN1VM-108Z | E CAPACITOR | 1000uF 35V M |
| C627 | QETN1HM-474Z | E CAPACITOR | 0.47uF 50V M |
| C628 | QETN1EM-108Z | E CAPACITOR | 1000uF 25V M |
| C629 | QETN1EM-108Z | E CAPACITOR | 1000uF 25V M |
| C633 | QETN1CM-477Z | E CAPACITOR | 470uF 16V M |
| C636 | QETN1HM-474Z | E CAPACITOR | 0.47uF 50V M |
| C637 | QETN1HM-474Z | E CAPACITOR | 0.47uF 50V M |
| C638 | QFV71HJ-124Z | MF CAPACITOR | 0.12uF 50V J |
| C639 | QFV71HJ-124Z | MF CAPACITOR | 0.12uF 50V J |
| C641 | QETN1HM-475Z | E CAPACITOR | 4.7uF 50V M |
| C652 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K |
| C653 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K |
| C654 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K |
| C655 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C656 | NDC31HJ-150X | C CAPACITOR | 15pF 50V J |
| C657 | NDC31HJ-150X | C CAPACITOR | 15pF 50V J |
| C658 | NDC31HJ-150X | C CAPACITOR | 15pF 50V J |
| C700 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K |
| C701 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C702 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C703 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C704 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C705 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C706 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M |
| C708 | NDC31HJ-220X | C CAPACITOR | 22pF 50V J |
| C709 | NDC31HJ-220X | C CAPACITOR | 22pF 50V J |
| C711 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C712 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C716 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C721 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C726 | NDC31HJ-561X | C CAPACITOR | 560pF 50V J |
| C728 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C807 | QETN1AM-477Z | E CAPACITOR | 470uF 10V M |

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| C813 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K |
| C815 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C851 | QETN1EM-107Z | E CAPACITOR | 100uF 25V M |
| C852 | QETN1EM-107Z | E CAPACITOR | 100uF 25V M |
| C853 | QETN1CM-227Z | E CAPACITOR | 220uF 16V M |
| C854 | QETN1CM-227Z | E CAPACITOR | 220uF 16V M |
| C856 | QETN1CM-227Z | E CAPACITOR | 220uF 16V M |
| C857 | QETN1CM-477Z | E CAPACITOR | 470uF 16V M |
| ⚠C901 | QFZ9072-104 | MM CAPACITOR | 0.1uF AC250V K |
| ⚠C902 | QFZ9072-473 | MM CAPACITOR | 0.047uF AC250V K |
| ⚠C903 | QFZ9072-104 | MM CAPACITOR | 0.1uF AC250V K |
| ⚠C904 | QCZ9054-102 | C CAPACITOR | 1000pF AC250V Z |
| ⚠C905 | QCZ9054-102 | C CAPACITOR | 1000pF AC250V Z |
| ⚠C906 | QCZ9054-102 | C CAPACITOR | 1000pF AC250V Z |
| C907 | QEZ0644-567 | E CAPACITOR | 560uF 200V K |
| ⚠C908 | QCZ9054-102 | C CAPACITOR | 1000pF AC250V Z |
| C912 | QCZ0340-222 | C CAPACITOR | 2200pF 2kV K |
| C913 | QFLC1HJ-471Z | M CAPACITOR | 470pF 50V J |
| C914 | QETN1HM-107Z | E CAPACITOR | 100uF 50V M |
| C916 | NDC31HJ-331X | C CAPACITOR | 330pF 50V J |
| C917 | NCB31HK-182X | C CAPACITOR | 1800pF 50V K |
| C918 | NCB21HK-104X | C CAPACITOR | 0.1uF 50V K |
| C919 | QFP32GJ-103 | PP CAPACITOR | 0.01uF 400V J |
| C931 | QEZ0203-227 | E CAPACITOR | 220uF 160V M |
| C932 | QETN1EM-108Z | E CAPACITOR | 1000uF 25V M |
| C933 | QETN1CM-108Z | E CAPACITOR | 1000uF 16V M |
| C934 | NDC31HJ-221X | C CAPACITOR | 220pF 50V J |
| C935 | QETN1VM-108Z | E CAPACITOR | 1000uF 35V M |
| C937 | QCZ0340-102 | C CAPACITOR | 1000pF 2kV K |
| C938 | QETN1CM-108Z | E CAPACITOR | 1000uF 16V M |
| C939 | QCB32HK-152Z | C CAPACITOR | 1500pF 500V K |
| C941 | QCB32HK-102Z | C CAPACITOR | 1000pF 500V K |
| C942 | QEHR1HM-105Z | E CAPACITOR | 1uF 50V M |
| C943 | QETN1CM-108Z | E CAPACITOR | 1000uF 16V M |
| C951 | QETN1EM-477Z | E CAPACITOR | 470uF 25V M |
| C952 | QETN1CM-227Z | E CAPACITOR | 220uF 16V M |
| C971 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C972 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C973 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| ⚠C997 | QCZ9052-102 | C CAPACITOR | 1000pF AC125V M |
| ⚠C998 | QCZ9074-103 | C CAPACITOR | 0.01uF AC250V M |
| ⚠C999 | QCZ9074-103 | C CAPACITOR | 0.01uF AC250V M |
| | | | |
| R002 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R003 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R004 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R005 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R008 | NRSA63J-820X | MG RESISTOR | 82Ω 1/16W J |
| R009 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R101 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R102 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J |
| R103 | QRE121J-101Y | C RESISTOR | 100Ω 1/2W J |
| R104 | NRSA63J-180X | MG RESISTOR | 18Ω 1/16W J |
| R105 | NRSA63J-270X | MG RESISTOR | 27Ω 1/16W J |
| R111 | NRSA63J-394X | MG RESISTOR | 390kΩ 1/16W J |
| R112 | NRSA63J-334X | MG RESISTOR | 330kΩ 1/16W J |
| R113 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R115 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R116 | NRSA63J-680X | MG RESISTOR | 68Ω 1/16W J |
| R117 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J |
| R118 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R131 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R132 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J |
| R133 | NRSA63J-821X | MG RESISTOR | 820Ω 1/16W J |
| R134 | NRSA63J-561X | MG RESISTOR | 560Ω 1/16W J |
| R135 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R161 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R162 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R163 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R164 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R165 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R166 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R167 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R168 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R169 | NRSA63J-561X | MG RESISTOR | 560Ω 1/16W J |
| R171 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R201 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R212 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J |
| R215 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R216 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R217 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R222 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R227 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R231 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J |
| R237 | NRSA63J-392X | MG RESISTOR | 3.9kΩ 1/16W J |
| R238 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R241 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| R243 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J |
| R281 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J |
| R282 | NRSA63J-392X | MG RESISTOR | 3.9kΩ 1/16W J |
| R283 | NRSA63J-681X | MG RESISTOR | 680Ω 1/16W J |
| R286 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R287 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R288 | NRSA02J-471X | MG RESISTOR | 470Ω 1/10W J |
| R289 | NRSA63J-154X | MG RESISTOR | 150kΩ 1/16W J |
| R290 | NRSA02J-561X | MG RESISTOR | 560Ω 1/10W J |
| R292 | NRSA63J-124X | MG RESISTOR | 120kΩ 1/16W J |
| R293 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J |
| R301 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R302 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R303 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R304 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R305 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R306 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R318 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R319 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R352 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R354 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R355 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R356 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R358 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R359 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R360 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| R421 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J |
| R426 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R427 | QRT029J-1R0 | MF RESISTOR | 1Ω 2W J |
| R431 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R432 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R433 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R434 | QRL029J-221 | OMF RESISTOR | 220Ω 2W J |
| R446 | QRE121J-272Y | C RESISTOR | 2.7kΩ 1/2W J |
| R447 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R449 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J |
| R451 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R452 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R501 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R502 | NRSA63J-271X | MG RESISTOR | 270Ω 1/16W J |
| R503 | QRE121J-103Y | C RESISTOR | 10kΩ 1/2W J |
| R504 | QRL039J-152 | OMF RESISTOR | 1.5kΩ 3W J |
| R505 | QRL039J-152 | OMF RESISTOR | 1.5kΩ 3W J |
| R506 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R508 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R509 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R511 | QRE121J-220Y | C RESISTOR | 22Ω 1/2W J |
| R512 | QRE121J-681Y | C RESISTOR | 680Ω 1/2W J |
| R513 | QRL039J-273 | OMF RESISTOR | 27kΩ 3W J |
| R515 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R516 | QRZ0221-2R0 | OMF RESISTOR | 2Ω 7W K |
| R524 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J |
| R526 | QRE121J-272Y | C RESISTOR | 2.7kΩ 1/2W J |
| R527 | QRE121J-124Y | C RESISTOR | 120kΩ 1/2W J |
| R528 | QRE121J-154Y | C RESISTOR | 150kΩ 1/2W J |
| R529 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J |
| ⚠R531 | QRJ146J-391X | UNF C RESISTOR | 390Ω 1/4W J |
| R532 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J |
| R533 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R534 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| ⚠R535 | NRVA02D-242X | CMF RESISTOR | 2.4kΩ 1/10W D |
| ⚠R537 | NRVA02D-752X | CMF RESISTOR | 7.5kΩ 1/10W D |
| R538 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R541 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R543 | QRE121J-122Y | C RESISTOR | 1.2kΩ 1/2W J |
| R544 | QRE121J-392Y | C RESISTOR | 3.9kΩ 1/2W J |
| R545 | QRE121J-822Y | C RESISTOR | 8.2kΩ 1/2W J |
| R546 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J |
| R547 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R548 | QRE121J-152Y | C RESISTOR | 1.5kΩ 1/2W J |
| R553 | QRL039J-390 | OMF RESISTOR | 39Ω 3W J |
| ⚠R554 | QRK126J-150X | UNF C RESISTOR | 15Ω 1/2W J |
| R555 | QRX029J-1R0 | MF RESISTOR | 1Ω 2W J |
| R556 | QRX029J-1R0 | MF RESISTOR | 1Ω 2W J |
| R561 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R562 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R581 | QRE121J-100Y | C RESISTOR | 10Ω 1/2W J |
| R582 | NRSA63J-124X | MG RESISTOR | 120kΩ 1/16W J |
| R583 | NRSA63J-683X | MG RESISTOR | 68kΩ 1/16W J |
| R584 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J |
| R585 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R586 | NRSA63J-154X | MG RESISTOR | 150kΩ 1/16W J |
| R587 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R588 | QRE121J-100Y | C RESISTOR | 10Ω 1/2W J |
| R589 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R590 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| ⚠R591 | QRJ149J-220 | UNF C RESISTOR | 22Ω 1/4W J |
| R592 | NRSA63J-183X | MG RESISTOR | 18kΩ 1/16W J |
| R593 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R594 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J |
| R595 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R601 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R602 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R603 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R604 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R605 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R606 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R614 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R615 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R616 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R617 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R618 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R621 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R622 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J |
| R623 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R624 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J |
| R626 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R627 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R628 | QRK126J-102X | UNF C RESISTOR | 1kΩ 1/2W J |
| R629 | QRK126J-102X | UNF C RESISTOR | 1kΩ 1/2W J |
| R631 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R632 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R633 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R637 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R638 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R639 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R640 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R641 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R644 | QRJ146J-2R2X | UNF C RESISTOR | 2.2Ω 1/4W J |
| R645 | QRJ146J-2R2X | UNF C RESISTOR | 2.2Ω 1/4W J |
| R647 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R655 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J |
| R657 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R700 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R701 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R702 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R704 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R705 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R706 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R707 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R708 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R709 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R714 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J |
| R715 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R718 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R721 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R728 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R729 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R731 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R732 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R733 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R734 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R737 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R739 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R740 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R754 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R755 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J |
| R756 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R764 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R765 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R766 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R767 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R769 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R772 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R775 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R776 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R811 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R812 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R816 | NRSA63J-124X | MG RESISTOR | 120kΩ 1/16W J |
| R821 | NRSA63J-184X | MG RESISTOR | 180kΩ 1/16W J |
| R822 | NRSA63J-124X | MG RESISTOR | 120kΩ 1/16W J |
| R827 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R857 | QRL029J-820 | OMF RESISTOR | 82Ω 2W J |
| R858 | QRL029J-180 | OMF RESISTOR | 18Ω 2W J |
| R901 | QRF074K-1R2 | UNF WW RESISTOR | 1.2Ω 7W K |
| R909 | QRG01GJ-470 | OMF RESISTOR | 47Ω 1W J |
| R911 | QRE121J-223Y | C RESISTOR | 22kΩ 1/2W J |
| R912 | QRT029J-R18 | MF RESISTOR | 0.18Ω 2W J |
| R913 | QRT029J-R15 | MF RESISTOR | 0.15Ω 2W J |
| ⚠R914 | QRK126J-681X | UNF C RESISTOR | 680Ω 1/2W J |
| ⚠R915 | QRK129J-6R8 | UNF C RESISTOR | 6.8Ω 1/2W J |
| ⚠R917 | QRK126J-332X | UNF C RESISTOR | 3.3kΩ 1/2W J |
| R918 | QRE121J-222Y | C RESISTOR | 2.2kΩ 1/2W J |
| R919 | QRE121J-684Y | C RESISTOR | 680kΩ 1/2W J |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| R924 | QRE121J-222Y | C RESISTOR | 2.2kΩ 1/2W J | |
| R930 | QRE121J-223Y | C RESISTOR | 22kΩ 1/2W J | |
| R939 | QRT039J-1R5 | MF RESISTOR | 1.5Ω 3W J | |
| R940 | QRE121J-181Y | C RESISTOR | 180Ω 1/2W J | |
| R941 | QRL029J-183 | OMF RESISTOR | 18kΩ 2W J | |
| R950 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R951 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R952 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R953 | QRE121J-820Y | C RESISTOR | 82Ω 1/2W J | |
| R973 | QRE121J-272Y | C RESISTOR | 2.7kΩ 1/2W J | |
| R975 | QRE121J-223Y | C RESISTOR | 22kΩ 1/2W J | |
| R977 | QRE121J-473Y | C RESISTOR | 47kΩ 1/2W J | |
| R978 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R979 | QRT029J-1R0 | MF RESISTOR | 1Ω 2W J | |
| R980 | QRT029J-1R0 | MF RESISTOR | 1Ω 2W J | |
| ⚠R998 | QRZ9041-275 | C RESISTOR | 2.7MΩ 1/2W K | |
| R999 | QRE121J-121Y | C RESISTOR | 120Ω 1/2W J | |
| L001 | QQL244K-560Z | COIL | 56uH K | |
| L101 | QQLZ014-R22 | COIL | 0.22uH 100mA L | |
| L113 | QQL244K-4R7Z | COIL | 4.7uH K | |
| L131 | QQL244K-150Z | COIL | 15uH K | |
| L161 | QQL244K-220Z | COIL | 22uH K | |
| L232 | QQL244K-560Z | COIL | 56uH K | |
| L241 | QQL244K-220Z | COIL | 22uH K | |
| L391 | QQL244K-220Z | COIL | 22uH K | |
| L511 | QQR1027-005 | LINEARITY COIL | | |
| L512 | QQLZ036-821 | COIL | 820uH K | |
| L521 | QQLZ026-800 | COIL | 80uH ±7% | |
| L701 | QQL244K-220Z | COIL | 22uH K | |
| L702 | QQL244K-220Z | COIL | 22uH K | |
| L703 | QQL244K-220Z | COIL | 22uH K | |
| L704 | QQL244K-220Z | COIL | 22uH K | |
| L705 | QQL244K-220Z | COIL | 22uH K | |
| L931 | QQL26AK-470Z | COIL | 47uH K | |
| L933 | QQL26AK-470Z | COIL | 47uH K | |
| L937 | QQL26AK-470Z | COIL | 47uH K | |
| L940 | QQR0582-001Z | FERRITE BEADS | | |
| T111 | QQR0907-001 | IFT | | |
| T501 | CE42034-002 | HOR DRIVE TRANS | | |
| ⚠T921 | QQS0225-001 | SW TRANSF | | |
| ⚠T951 | QQT0372-001 | POWER TRANSF | | |
| CF001 | QAX0349-001 | C TRAP | 47.25MHz | |
| CF131 | QAX0639-001Z | C TRAP | 4.500MHz | |
| CF161 | QAX0642-001Z | C FILTER | 4.500MHz | |
| CN001 | QGB1505J1-35 | CONNECTOR | B-B (1-35) | |
| CN002 | QGB1505J1-25 | CONNECTOR | B-B (1-25) | |
| CN004 | QGA2501C5-07Z | CONNECTOR | W-B (1-7) | |
| CN005 | QGA2501C5-06Z | CONNECTOR | W-B (1-6) | |
| CN007 | QGA2501C5-06Z | CONNECTOR | W-B (1-6) | |
| CN00C | QGA2501F1-06 | CONNECTOR | W-B (1-6) | |
| CN00K | QGA2501C5-05Z | CONNECTOR | W-B (1-5) | |
| CN00Q | QGA2501C5-03Z | CONNECTOR | W-B (1-3) | |
| CN0CP | CE41507-001P | LV CONNECTOR | | |
| CN0E1 | CE41507-001P | LV CONNECTOR | | |
| CN0E3 | CE41507-001P | LV CONNECTOR | | |
| CN0HV | QGZ5004C1-06 | CONNECTOR | (1-6) | |
| CN0S1 | QGA2501C5-05Z | CONNECTOR | W-B (1-5) | |
| CN0SS | QGA2501C5-04Z | CONNECTOR | W-B (1-4) | |
| ⚠CP932 | ICP-N70-T | IC PROTECTOR | 2.5A | |
| ⚠CP933 | ICP-N70-T | IC PROTECTOR | 2.5A | |
| ⚠CP936 | ICP-N70-T | IC PROTECTOR | 2.5A | |
| ⚠F901 | QMF51N1-5R0-J5 | FUSE | 5A AC125V | |
| ⚠F905 | QMFZ049-5R0Z-E | FUSE | 5A 125V | |
| FC901 | CEMG002-001Z | FUSE CLIP | | |
| FC902 | CEMG002-001Z | FUSE CLIP | | |
| ⚠FR525 | QRZ9017-4R7 | FUSI RESISTOR | 4.7Ω 1/4W J | |
| ⚠FR527 | QRZ9011-470 | FUSI RESISTOR | 47Ω 1/2W J | |
| HS001 | LC32313-001A | HEAT SINK/AL-F/ | | |
| HS002 | LC31948-001A | HEAT SINK/AL-F/ | | |
| HS003 | LC31677-001A | HEAT SINK/AL-F/ | | |
| HS004 | CEHE015-001WU | HEAT SINK | | |
| HS005 | CM42862-00G-H | HEAT SINK ASSY | | |
| HS007 | CEHT11B-002QS | HEAT SINK | | |
| J601 | QNN0349-002 | PIN JACK | INPUT-2 COMP | |
| J602 | QNN0349-002 | PIN JACK | INPUT-4 COMP | |
| J810 | QNS0001-001 | 3.5 JACK | AV COMPLINK III | |
| K401 | QQR0621-002Z | FERRITE BEADS | | |
| K912 | QQR0582-001Z | FERRITE BEADS | | |
| K916 | QQR0582-001Z | FERRITE BEADS | | |
| K917 | QQR0582-001Z | FERRITE BEADS | | |
| K918 | QQR0582-001Z | FERRITE BEADS | | |
| K920 | QQR0872-002 | FERRITE BEADS | | |
| K931 | QQR0582-001Z | FERRITE BEADS | | |
| K932 | QQR0582-001Z | FERRITE BEADS | | |
| K933 | QQR0582-001Z | FERRITE BEADS | | |
| K935 | QQR0582-001Z | FERRITE BEADS | | |
| K937 | QQR0582-001Z | FERRITE BEADS | | |
| LC601 | QQR1199-001 | EMI FILTER | | |
| LC602 | QQR1199-001 | EMI FILTER | | |
| LC603 | QQR1199-001 | EMI FILTER | | |
| LC604 | QQR1199-001 | EMI FILTER | | |
| LC605 | QQR1199-001 | EMI FILTER | | |
| LC606 | QQR1199-001 | EMI FILTER | | |
| ⚠LF901 | QQR1159-001 | LINE FILTER | | |
| ⚠LF902 | QQR0527-004 | LINE FILTER | | |
| ⚠RY951 | QSK0085-001 | RELAY | | |
| SF101 | QAX0723-001 | SAW FILTER | | |
| ⚠TH901 | QAD0132-3R0 | P THERMISTOR | 3Ω | |
| ⚠TU001 | QAU0272-001 | TUNER | MAIN | |
| ⚠VA901 | ERZV10V621CS | ZNR | | |
| X701 | QAX0717-001Z | CRYSTAL | 8.000MHz | |

## DAF P.W. BOARD ASS'Y (SGJ-2503A-M2)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| Q2751 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q2752 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q2753 | 2SC4632 | POW TRANSISTOR | | |
| D2761 | ES1F-LFG2 | SI DIODE | | |
| D2762 | ES1F-LFG2 | SI DIODE | | |
| D2771 | MTZJ33A-T2 | Z DIODE | | |
| C2701 | QFV71HJ-104Z | MF CAPACITOR | 0.1uF 50V J | |
| C2751 | QFLC1HJ-333Z | M CAPACITOR | 0.033uF 50V J | |
| C2752 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M | |
| C2753 | QFZ0122-103 | MPP CAPACITOR | 0.01uF 1.8kV H | |
| C2761 | QFZ0122-682 | MPP CAPACITOR | 6800pF 1.8kV H | |
| C2771 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| R2701 | QRG01GJ-220 | OMF RESISTOR | 22Ω 1W J | |
| R2702 | QRE121J-123Y | C RESISTOR | 12kΩ 1/2W J | |
| R2703 | QRZ0056-103Z | COMP RESISTOR | 10kΩ 1/2W K | |
| R2751 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R2752 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J | |
| R2753 | NRSA63J-122X | MG RESISTOR | 1.2kΩ 1/16W J | |
| R2754 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R2755 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J | |
| R2756 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J | |
| R2757 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R2758 | NRSA63J-124X | MG RESISTOR | 120kΩ 1/16W J | |
| R2761 | QRE121J-184Y | C RESISTOR | 180kΩ 1/2W J | |
| R2762 | QRE121J-184Y | C RESISTOR | 180kΩ 1/2W J | |
| R2763 | QRE121J-184Y | C RESISTOR | 180kΩ 1/2W J | |
| R2764 | QRE121J-184Y | C RESISTOR | 180kΩ 1/2W J | |
| R2765 | QRE121J-184Y | C RESISTOR | 180kΩ 1/2W J | |
| R2771 | QRL039J-223 | OMF RESISTOR | 22kΩ 3W J | |
| L2701 | QQLZ028-272 | COIL | 2.7mH | |
| T2701 | QQR1153-001 | DAF TRANSF | | |
| CN200K | WJA0028-001A | E-S ID WIRE | | |
| CN200Q | WJA0026-001A | E-S ID WIRE | | |
| CN20CP | QUB573-26A6FX | SIN TWIST WIRE | | |
| CN2DAF | CE41507-001P | LV CONNECTOR | | |

## CRT SOCKET P.W. BOARD ASS'Y (SGJ-3504A-M2)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| Q3103 | 2SA933AS/QR/-T | TRANSISTOR | | |
| Q3105 | 2SC1740S/QR/-T | TRANSISTOR | | |
| Q3106 | 2SA933AS/QR/-T | TRANSISTOR | | |
| Q3107 | 2SA1964/DE/ | POW TRANSISTOR | | |
| Q3108 | 2SC5248/DE/ | POW TRANSISTOR | | |
| Q3109 | 2SC1740S/QR/-T | TRANSISTOR | | |
| Q3151 | 2SC1740S/QR/-T | TRANSISTOR | | |
| Q3152 | 2SA933AS/QR/-T | TRANSISTOR | | |
| Q3301 | 2SC5083/L-P/-T | TRANSISTOR | | |
| Q3302 | 2SC5083/L-P/-T | TRANSISTOR | | |
| Q3303 | 2SC5083/L-P/-T | TRANSISTOR | | |
| Q3304 | 2SC5147/CDE/F43 | POW TRANSISTOR | | |
| Q3305 | 2SC5147/CDE/F43 | POW TRANSISTOR | | |
| Q3306 | 2SC5147/CDE/F43 | POW TRANSISTOR | | |

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| Q3351 | 2SA933AS/QR/-T | TRANSISTOR | |
| D3101 | 1SS133-T2 | DIODE | |
| D3105 | RH1S-T3 | SI DIODE | |
| D3106 | RH1S-T3 | SI DIODE | |
| D3301 | 1SS133-T2 | DIODE | |
| D3302 | 1SS133-T2 | DIODE | |
| D3303 | 1SS133-T2 | DIODE | |
| D3304 | 1SS82-T2 | SI DIODE | |
| D3305 | 1SS82-T2 | SI DIODE | |
| D3306 | 1SS82-T2 | SI DIODE | |
| D3311 | MTZJ3.6B-T2 | Z DIODE | |
| D3312 | 1SS133-T2 | DIODE | |
| D3313 | MTZJ4.3A-T2 | Z DIODE | |
| D3314 | 1SS133-T2 | DIODE | |
| D3331 | 1SS133-T2 | DIODE | |
| D3351 | 1SS133-T2 | DIODE | |
| D3352 | 1SS133-T2 | DIODE | |
| D3353 | 1SS133-T2 | DIODE | |
| D3354 | 1SS133-T2 | DIODE | |
| D3361 | RM2C-LFA1 | SI DIODE | |
| C3101 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C3109 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C3110 | NDC31HJ-221X | C CAPACITOR | 220pF 50V J |
| C3111 | NDC31HJ-221X | C CAPACITOR | 220pF 50V J |
| C3113 | QETN2CM-106Z | E CAPACITOR | 10uF 160V M |
| C3114 | QCB32HK-472Z | C CAPACITOR | 4700pF 500V K |
| C3115 | QCB32HK-472Z | C CAPACITOR | 4700pF 500V K |
| C3117 | QETN2CM-106Z | E CAPACITOR | 10uF 160V M |
| C3118 | QETN0JM-107Z | E CAPACITOR | 100uF 6.3V M |
| C3119 | QETN1AM-107Z | E CAPACITOR | 100uF 10V M |
| C3120 | QETN1AM-337Z | E CAPACITOR | 330uF 10V M |
| C3121 | QCS32HJ-151Z | C CAPACITOR | 150pF 500V J |
| C3122 | NDC31HJ-5R0X | C CAPACITOR | 5pF 50V J |
| C3125 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| C3151 | NCB21EK-104X | C CAPACITOR | 0.1uF 25V K |
| C3152 | NCB21EK-104X | C CAPACITOR | 0.1uF 25V K |
| C3301 | NDC31HJ-561X | C CAPACITOR | 560pF 50V J |
| C3302 | NDC31HJ-391X | C CAPACITOR | 390pF 50V J |
| C3303 | NDC31HJ-561X | C CAPACITOR | 560pF 50V J |
| C3321 | QETN2EM-105Z | E CAPACITOR | 1uF 250V M |
| C3322 | QETN2EM-105Z | E CAPACITOR | 1uF 250V M |
| C3323 | QETN1CM-477Z | E CAPACITOR | 470uF 16V M |
| C3351 | QETN1CM-337Z | E CAPACITOR | 330uF 16V M |
| C3361 | QETN2EM-105Z | E CAPACITOR | 1uF 250V M |
| C3363 | QCZ0324-102 | C CAPACITOR | 1000pF 3kV P |
| R3108 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R3111 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R3114 | QRJ146J-100X | UNF C RESISTOR | 10Ω 1/4W J |
| R3115 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J |
| R3116 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J |
| R3117 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R3119 | NRSA63J-121X | MG RESISTOR | 120Ω 1/16W J |
| ⚠R3122 | QRZ9021-561 | FUSI RESISTOR | 560Ω 1W J |
| R3123 | NRSA63J-122X | MG RESISTOR | 1.2kΩ 1/16W J |
| R3124 | NRSA63J-390X | MG RESISTOR | 39Ω 1/16W J |
| R3125 | NRSA63J-5R6X | MG RESISTOR | 5.6Ω 1/16W J |
| R3126 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J |
| R3127 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J |
| R3128 | NRSA63J-122X | MG RESISTOR | 1.2kΩ 1/16W J |
| R3129 | NRSA63J-5R6X | MG RESISTOR | 5.6Ω 1/16W J |
| R3130 | NRSA63J-390X | MG RESISTOR | 39Ω 1/16W J |
| R3131 | NRSA63J-121X | MG RESISTOR | 120Ω 1/16W J |
| R3132 | QRL029J-391 | OMF RESISTOR | 390Ω 2W J |
| R3134 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R3136 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R3139 | NRSA63J-681X | MG RESISTOR | 680Ω 1/16W J |
| R3142 | NRSA63J-124X | MG RESISTOR | 120kΩ 1/16W J |
| R3143 | NRSA63J-681X | MG RESISTOR | 680Ω 1/16W J |
| R3145 | NRSA63J-5R6X | MG RESISTOR | 5.6Ω 1/16W J |
| R3146 | NRSA63J-5R6X | MG RESISTOR | 5.6Ω 1/16W J |
| R3151 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R3152 | NRSA63J-683X | MG RESISTOR | 68kΩ 1/16W J |
| R3153 | NRSA63J-683X | MG RESISTOR | 68kΩ 1/16W J |
| R3154 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R3301 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J |
| R3302 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J |
| R3303 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J |
| R3304 | NRSA63J-121X | MG RESISTOR | 120Ω 1/16W J |
| R3305 | NRSA63J-121X | MG RESISTOR | 120Ω 1/16W J |
| R3306 | NRSA63J-121X | MG RESISTOR | 120Ω 1/16W J |
| R3307 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J |
| R3308 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J |
| R3309 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J |
| R3310 | QRG029J-153 | OMF RESISTOR | 15kΩ 2W J |
| R3311 | QRG029J-153 | OMF RESISTOR | 15kΩ 2W J |
| R3312 | QRG029J-153 | OMF RESISTOR | 15kΩ 2W J |
| R3313 | QRG029J-183 | OMF RESISTOR | 18kΩ 2W J |
| R3314 | QRG029J-183 | OMF RESISTOR | 18kΩ 2W J |
| R3315 | QRG029J-183 | OMF RESISTOR | 18kΩ 2W J |
| R3316 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R3317 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R3318 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R3325 | QRC121K-102Z | COMP RESISTOR | 1kΩ 1/2W K |
| R3326 | QRC121K-102Z | COMP RESISTOR | 1kΩ 1/2W K |
| R3327 | QRC121K-102Z | COMP RESISTOR | 1kΩ 1/2W K |
| R3331 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J |
| R3332 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J |
| R3333 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J |
| R3334 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J |
| R3335 | NRSA63J-271X | MG RESISTOR | 270Ω 1/16W J |
| R3336 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R3337 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R3338 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R3351 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R3352 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R3353 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R3354 | NRSA63J-561X | MG RESISTOR | 560Ω 1/16W J |
| R3355 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J |
| R3361 | QRC121K-105Z | COMP RESISTOR | 1MΩ 1/2W K |
| R3362 | QRC121K-102Z | COMP RESISTOR | 1kΩ 1/2W K |
| R3363 | QRC121K-474Z | COMP RESISTOR | 470kΩ 1/2W K |
| L3301 | QQL244K-180Z | COIL | 18uH K |
| L3302 | QQL244K-180Z | COIL | 18uH K |
| L3303 | QQL244K-180Z | COIL | 18uH K |
| L3304 | QQL244K-470Z | COIL | 47uH K |
| L3305 | QQL244K-470Z | COIL | 47uH K |
| L3306 | QQL244K-470Z | COIL | 47uH K |
| CN3004 | QJB003-074022 | SIN ID C-B WIRE | |
| CN3005 | WJA0029-002A | E-S ID WIRE | |
| CN300V | QGA2501C5-03Z | CONNECTOR | W-B (1-3) |
| CN30E2 | QUB130-46A6AS | SIN TWIST WIRE | |
| CN30E4 | QUB130-46A6AS | SIN TWIST WIRE | |
| HS3010 | CEHP00N-001QS | HEAT SINK | |
| HS3011 | CEHP00N-001QS | HEAT SINK | |
| HS3012 | CEHP00N-001QS | HEAT SINK | |
| HS3013 | CEHP00N-001QS | HEAT SINK | |
| HS3014 | CEHP00N-001QS | HEAT SINK | |
| K3102 | CE41492-001Z | CHOKE COIL | |
| K3103 | CE41492-001Z | CHOKE COIL | |
| K3104 | CE41492-001Z | CHOKE COIL | |
| K3105 | CE41492-001Z | CHOKE COIL | |
| ⚠SK3001 | CE42670-001 | CRT SOCKET | |

## PIP P.W. BOARD ASS'Y (SGJ-4001A-M2)

REFER TO PARTS LIST IN PAGE 3-10 FOR THIS P.W. BOARD.

## AV SELECTOR P.W. BOARD ASS'Y (SGJ-5503A-M2)

REFER TO PARTS LIST IN PAGE 3-11 FOR THIS P.W. BOARD.

## FRONT CONTROL P.W. BOARD ASS'Y (SGJ-6502A-M2)

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| C6401 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C6402 | QETN1HM-225Z | E CAPACITOR | 2.2uF 50V M |
| C6403 | QETN1HM-225Z | E CAPACITOR | 2.2uF 50V M |
| R6401 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R6402 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J |
| R6403 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J |
| R6702 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R6703 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R6704 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J |
| R6705 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J |
| R6706 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| CN6006 | QJB003-054010 | SIN ID C-B WIRE | |
| CN6007 | QJB003-064426 | SIN ID C-B WIRE | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| CN600B | QJB003-050806 | SIN ID C-B WIRE | | |
| J6401 | QNN0281-003 | PIN JACK | V IN | |
| J6402 | QNN0281-002 | PIN JACK | L IN | |
| J6403 | QNN0282-001 | PIN JACK | R IN | |
| LC6401 | QQR1199-001 | EMI FILTER | | |
| S6702 | QSW0619-003Z | TACT SWITCH | MENU | |
| S6703 | QSW0619-003Z | TACT SWITCH | CH- | |
| S6704 | QSW0619-003Z | TACT SWITCH | CH+ | |
| S6705 | QSW0619-003Z | TACT SWITCH | VOL- | |
| S6706 | QSW0619-003Z | TACT SWITCH | VOL+ | |

## LED & POWER SW P.W. BOARD ASS'Y (SGJ-7502A-M2)

REFER TO PARTS LIST IN PAGE 3-13 FOR THIS P.W. BOARD.

# PRINTED WIRING BOARD PARTS LIST [AV-32FA54 /AZA]

## MAIN P.W. BOARD ASS'Y (SGJ-1515A-M2)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| IC101 | M52342SP | IC | | |
| IC201 | TM8812CSDNG4RR3 | IC(MCU) | | |
| IC421 | LA7841 | IC | | |
| IC502 | CXA1875AM-X | IC | | |
| IC601 | TA1287F-X | IC | | |
| IC602 | M52055FP-X | IC | | |
| IC621 | AN5277 | IC | | |
| IC702 | AT24WC04-32FA54 | IC | (SERVICE) | |
| IC703 | S-80840CNY-T | IC | | |
| IC704 | AN78L05-T | IC | | |
| IC851 | L7812CP | IC | | |
| IC852 | L7809CP | IC | | |
| IC853 | L7805CP | IC | | |
| ⚠IC911 | STR-F6626/F3 | IC | | |
| ⚠IC921 | SE135N | IC | | |
| Q001 | UN2212-X | DIGI TRANSISTOR | | |
| Q101 | 2SC5083/L-P/-T | TRANSISTOR | | |
| Q131 | 2SB709A/QR/-X | TRANSISTOR | | |
| Q161 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q211 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q232 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q233 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q352 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q353 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q431 | UN2212-X | DIGI TRANSISTOR | | |
| Q451 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q501 | 2SC4212/Z1/ | TRANSISTOR | | |
| ⚠Q511 | 2SD2645-YD | TRANSISTOR | H OUT | |
| Q531 | 2SC2785/JH/-T | SI TRANSISTOR | | |
| Q532 | 2SB709A/QR/-X | TRANSISTOR | | |
| Q541 | 2SB709A/QR/-X | TRANSISTOR | | |
| Q542 | 2SB709A/QR/-X | TRANSISTOR | | |
| Q543 | 2SD1408/OY/-LB | POW TRANSISTOR | | |
| Q622 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q623 | UN2212-X | DIGI TRANSISTOR | | |
| Q624 | 2SB709A/QR/-X | TRANSISTOR | | |
| Q700 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q701 | 2SB709A/QR/-X | TRANSISTOR | | |
| Q705 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q951 | 2SD1383K/AB/-X | TRANSISTOR | | |
| Q971 | 2SA1208/ST/Z1-T | TRANSISTOR | | |
| D305 | 1SS133-T2 | DIODE | | |
| D306 | 1SS133-T2 | DIODE | | |
| D307 | 1SS133-T2 | DIODE | | |
| D308 | 1SS133-T2 | DIODE | | |
| D309 | 1SS133-T2 | DIODE | | |
| D310 | 1SS133-T2 | DIODE | | |
| D352 | MTZJ9.1C-T2 | Z DIODE | | |
| D353 | 1SS133-T2 | DIODE | | |
| D354 | MTZJ3.3A-T2 | Z DIODE | | |
| D421 | 1N4003-T2 | SI DIODE | | |
| D431 | 1SR35-400A-T2 | SI DIODE | | |
| D432 | 1SS133-T2 | DIODE | | |
| D501 | RH3G-F1 | SI DIODE | | |
| D502 | RU3AM-LFC4 | SI DIODE | | |
| D507 | RGP10J-5025-T3 | SI DIODE | | |
| D521 | RH1S-T3 | SI DIODE | | |
| D523 | EL1Z-T3 | SI DIODE | | |
| D524 | EL1Z-T3 | SI DIODE | | |
| D525 | 1SS81-T5 | SI DIODE | | |
| D526 | 1SS81-T5 | SI DIODE | | |
| D527 | 1SR124-400A-T2 | SI DIODE | | |
| D529 | MTZJ9.1C-T2 | Z DIODE | | |
| ⚠D531 | MA4068N/Z1/-T2 | Z DIODE | | |
| D535 | 1SS133-T2 | DIODE | | |
| D537 | 1SR35-400A-T2 | SI DIODE | | |
| D601 | MTZJ9.1C-T2 | Z DIODE | | |
| D602 | MTZJ9.1C-T2 | Z DIODE | | |
| D603 | MTZJ9.1C-T2 | Z DIODE | | |
| D604 | MTZJ9.1C-T2 | Z DIODE | | |
| D605 | MTZJ9.1C-T2 | Z DIODE | | |
| D606 | MTZJ9.1C-T2 | Z DIODE | | |
| D621 | 1SS133-T2 | DIODE | | |
| D622 | 1SS133-T2 | DIODE | | |
| D630 | 1SS133-T2 | DIODE | | |
| D633 | 1SS133-T2 | DIODE | | |
| D653 | 1SS133-T2 | DIODE | | |
| D654 | 1SS133-T2 | DIODE | | |
| D700 | MTZJ5.6B-T2 | Z DIODE | | |
| D701 | 1SS133-T2 | DIODE | | |
| D703 | MTZJ5.6B-T2 | Z DIODE | | |
| D704 | MTZJ5.6B-T2 | Z DIODE | | |
| D705 | 1SS133-T2 | DIODE | | |
| D706 | MTZJ5.6B-T2 | Z DIODE | | |
| D707 | MTZJ5.6B-T2 | Z DIODE | | |
| D708 | MTZJ5.6B-T2 | Z DIODE | | |
| D709 | MTZJ5.6B-T2 | Z DIODE | | |
| D721 | 1SS133-T2 | DIODE | | |
| D722 | 1SS133-T2 | DIODE | | |
| D723 | MTZJ5.6B-T2 | Z DIODE | | |
| D810 | MTZJ5.6B-T2 | Z DIODE | | |
| ⚠D901 | GSIB460-S1 | BRIDGE DIODE | | |
| D910 | MA700A-T2 | SB DIODE | | |
| D911 | RGP10J-5025-T3 | SI DIODE | | |
| D912 | RGP10J-5025-T3 | SI DIODE | | |
| D913 | RGP10J-5025-T3 | SI DIODE | | |
| D914 | 1SS133-T2 | DIODE | | |
| D915 | SARS01-T2 | SI DIODE | | |
| D917 | MTZJ30A-T2 | Z DIODE | | |
| D918 | MTZJ5.1C-T2 | Z DIODE | | |
| D920 | 1SS133-T2 | DIODE | | |
| D931 | RU30A-F1 | SI DIODE | | |
| D933 | RU3YX-LFC4 | SI DIODE | | |
| D935 | RU3YX-LFC4 | SI DIODE | | |
| D937 | RU3YX-LFC4 | SI DIODE | | |
| D941 | MTZJ33A-T2 | Z DIODE | | |
| D945 | MTZJ9.1B-T2 | Z DIODE | | |
| D952 | 1SS133-T2 | DIODE | | |
| D953 | 1SS133-T2 | DIODE | | |
| D954 | 1SR35-400A-T2 | SI DIODE | | |
| D955 | 1SR35-400A-T2 | SI DIODE | | |
| D956 | 1SR35-400A-T2 | SI DIODE | | |
| D957 | 1SR35-400A-T2 | SI DIODE | | |
| D972 | MTZJ15C-T2 | Z DIODE | | |
| D973 | 1SS133-T2 | DIODE | | |
| ⚠PC921 | TLP421F/D4-GR/ | PHOTO COUPLER | | |
| C001 | QETN1HM-475Z | E CAPACITOR | 4.7uF 50V M | |
| C003 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C004 | QETN1CM-108Z | E CAPACITOR | 1000uF 16V M | |
| C006 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M | |
| C101 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C102 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C104 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C105 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C106 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M | |
| C107 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C113 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C114 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C116 | QFVF1HJ-224Z | MF CAPACITOR | 0.22uF 50V J | |
| C117 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M | |
| C118 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C119 | NDC31HJ-681X | C CAPACITOR | 680pF 50V J | |
| C120 | QETN1HM-474Z | E CAPACITOR | 0.47uF 50V M | |
| C124 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C131 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C161 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C163 | NDC31HJ-470X | C CAPACITOR | 47pF 50V J | |
| C164 | NDC31HJ-470X | C CAPACITOR | 47pF 50V J | |
| C165 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C166 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C202 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M | |
| C203 | NCB31HK-152X | C CAPACITOR | 1500pF 50V K | |
| C211 | QENC1CM-106Z | BP E CAPACITOR | 10uF 16V M | |
| C212 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J | |
| C221 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C222 | QFVF1HJ-104Z | MF CAPACITOR | 0.1uF 50V J | |
| C223 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C233 | NDC31HJ-680X | C CAPACITOR | 68pF 50V J | |
| C237 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C241 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C242 | QETN1HM-225Z | E CAPACITOR | 2.2uF 50V M | |
| C243 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | |
| C244 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C281 | QFVF1HJ-474Z | MF CAPACITOR | 0.47uF 50V J | |
| C282 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | |
| C283 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C284 | QETN1HM-225Z | E CAPACITOR | 2.2uF 50V M | |
| C285 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C286 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C287 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | |
| C288 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C302 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| C352 | QETN1CM-476Z | E CAPACITOR | 47uF 16V M | |
| C354 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C391 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | |
| C392 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C422 | QFN32AK-102Z | M CAPACITOR | 1000pF 100V K | |
| C424 | QETN1VM-107Z | E CAPACITOR | 100uF 35V M | |
| C428 | QEHQ1VM-108 | E CAPACITOR | 1000uF 35V M | |
| C429 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M | |
| C431 | QFLC2AK-563Z | M CAPACITOR | 0.056uF 100V K | |
| C432 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M | |
| C433 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M | |
| C435 | NCB21HK-183X | C CAPACITOR | 0.018uF 50V K | |
| C440 | QCS32HJ-180Z | C CAPACITOR | 18pF 500V J | |
| C501 | QCB32HK-151Z | C CAPACITOR | 150pF 500V K | |
| C502 | QCB32HK-331Z | C CAPACITOR | 330pF 500V K | |
| C503 | QEHR2CM-105Z | E CAPACITOR | 1uF 160V M | |
| C504 | QEZ0203-107 | E CAPACITOR | 100uF 160V M | |
| C505 | QENC2AM-225Z | BP E CAPACITOR | 2.2uF 100V M | |
| C507 | QEZ0195-475Z | BP E CAPACITOR | 4.7uF 50V M | |
| ⚠C510 | QFZ0200-282 | MPP CAPACITOR | 2800pF 1.5kV H | |
| ⚠C513 | QFZ0198-123 | MPP CAPACITOR | 0.012uF 1.5kV H | |
| C514 | QFP32GJ-223 | PP CAPACITOR | 0.022uF 400V J | |
| C515 | QFZ0197-274 | MPP CAPACITOR | 0.27uF 250V J | |
| C516 | QCB32HK-561Z | C CAPACITOR | 560pF 500V K | |
| C521 | QETN2EM-106Z | E CAPACITOR | 10uF 250V M | |
| C523 | QETN1EM-108Z | E CAPACITOR | 1000uF 25V M | |
| C524 | QETN1EM-108Z | E CAPACITOR | 1000uF 25V M | |
| C525 | QETN1VM-107Z | E CAPACITOR | 100uF 35V M | |
| C526 | QFV21HJ-824Z | MF CAPACITOR | 0.82uF 50V J | |
| C527 | QFLC2AJ-103Z | M CAPACITOR | 0.01uF 100V J | |
| C533 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C561 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C562 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C601 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M | |
| C602 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M | |
| C603 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M | |
| C604 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C605 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C606 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C607 | QETN1AM-477Z | E CAPACITOR | 470uF 10V M | |
| C608 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C609 | QFVF1HJ-104Z | MF CAPACITOR | 0.1uF 50V J | |
| C610 | QFVF1HJ-104Z | MF CAPACITOR | 0.1uF 50V J | |
| C611 | QFVF1HJ-104Z | MF CAPACITOR | 0.1uF 50V J | |
| C612 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M | |
| C613 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M | |
| C614 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M | |
| C615 | QETN1AM-477Z | E CAPACITOR | 470uF 10V M | |
| C616 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C621 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C622 | NCF21CZ-105X | C CAPACITOR | 1uF 16V Z | |
| C623 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C624 | NCF21CZ-105X | C CAPACITOR | 1uF 16V Z | |
| C625 | QETN1VM-107Z | E CAPACITOR | 100uF 35V M | |
| C626 | QETN1VM-108Z | E CAPACITOR | 1000uF 35V M | |
| C627 | QETN1HM-474Z | E CAPACITOR | 0.47uF 50V M | |
| C628 | QETN1EM-108Z | E CAPACITOR | 1000uF 25V M | |
| C629 | QETN1EM-108Z | E CAPACITOR | 1000uF 25V M | |
| C633 | QETN1CM-477Z | E CAPACITOR | 470uF 16V M | |
| C636 | QETN1HM-474Z | E CAPACITOR | 0.47uF 50V M | |
| C637 | QETN1HM-474Z | E CAPACITOR | 0.47uF 50V M | |
| C641 | QETN1HM-475Z | E CAPACITOR | 4.7uF 50V M | |
| C651 | QFV71HJ-124Z | MF CAPACITOR | 0.12uF 50V J | |
| C652 | QFV71HJ-124Z | MF CAPACITOR | 0.12uF 50V J | |
| C652 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C653 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C654 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C655 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C656 | NDC31HJ-150X | C CAPACITOR | 15pF 50V J | |
| C657 | NDC31HJ-150X | C CAPACITOR | 15pF 50V J | |
| C658 | NDC31HJ-150X | C CAPACITOR | 15pF 50V J | |
| C700 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C701 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C702 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C703 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C704 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | |
| C705 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C706 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M | |
| C708 | NDC31HJ-220X | C CAPACITOR | 22pF 50V J | |
| C709 | NDC31HJ-220X | C CAPACITOR | 22pF 50V J | |
| C711 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | |
| C712 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C716 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C721 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C726 | NDC31HJ-561X | C CAPACITOR | 560pF 50V J | |
| C728 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C807 | QETN1AM-477Z | E CAPACITOR | 470uF 10V M | |
| C813 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C815 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C851 | QETN1EM-107Z | E CAPACITOR | 100uF 25V M | |
| C852 | QETN1EM-107Z | E CAPACITOR | 100uF 25V M | |
| C853 | QETN1CM-227Z | E CAPACITOR | 220uF 16V M | |
| C854 | QETN1CM-227Z | E CAPACITOR | 220uF 16V M | |
| C856 | QETN1CM-227Z | E CAPACITOR | 220uF 16V M | |
| C857 | QETN1CM-477Z | E CAPACITOR | 470uF 16V M | |
| ⚠C901 | QFZ9072-104 | MM CAPACITOR | 0.1uF AC250V K | |
| ⚠C902 | QFZ9072-473 | MM CAPACITOR | 0.047uF AC250V K | |
| ⚠C903 | QFZ9072-104 | MM CAPACITOR | 0.1uF AC250V K | |
| ⚠C904 | QCZ9054-102 | C CAPACITOR | 1000pF AC250V Z | |
| ⚠C905 | QCZ9054-102 | C CAPACITOR | 1000pF AC250V Z | |
| ⚠C906 | QCZ9054-102 | C CAPACITOR | 1000pF AC250V Z | |
| C907 | QEZ0644-567 | E CAPACITOR | 560uF 200V K | |
| ⚠C908 | QCZ9079-102 | C CAPACITOR | 1000pF AC250V M | |
| C912 | QCZ0340-222 | C CAPACITOR | 2200pF 2kV K | |
| C913 | QFLC1HJ-471Z | M CAPACITOR | 470pF 50V J | |
| C914 | QETN1HM-107Z | E CAPACITOR | 100uF 50V M | |
| C916 | NDC31HJ-331X | C CAPACITOR | 330pF 50V J | |
| C917 | NCB31HK-182X | C CAPACITOR | 1800pF 50V K | |
| C918 | NCB21HK-104X | C CAPACITOR | 0.1uF 50V K | |
| C919 | QFP32GJ-103 | PP CAPACITOR | 0.01uF 400V J | |
| C931 | QEZ0203-227 | E CAPACITOR | 220uF 160V M | |
| C932 | QETN1EM-108Z | E CAPACITOR | 1000uF 25V M | |
| C933 | QETN1CM-108Z | E CAPACITOR | 1000uF 16V M | |
| C934 | NDC31HJ-221X | C CAPACITOR | 220pF 50V J | |
| C935 | QETN1VM-108Z | E CAPACITOR | 1000uF 35V M | |
| C937 | QCZ0340-102 | C CAPACITOR | 1000pF 2kV K | |
| C938 | QETN1CM-108Z | E CAPACITOR | 1000uF 16V M | |
| C939 | QCB32HK-152Z | C CAPACITOR | 1500pF 500V K | |
| C941 | QCB32HK-102Z | C CAPACITOR | 1000pF 500V K | |
| C942 | QEHR1HM-105Z | E CAPACITOR | 1uF 50V M | |
| C943 | QETN1CM-108Z | E CAPACITOR | 1000uF 16V M | |
| C951 | QETN1EM-477Z | E CAPACITOR | 470uF 25V M | |
| C952 | QETN1CM-227Z | E CAPACITOR | 220uF 16V M | |
| C971 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | |
| C972 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M | |
| C973 | QEHR1HM-106Z | E CAPACITOR | 10uF 50V M | |
| ⚠C997 | QCZ9052-102 | C CAPACITOR | 1000pF AC125V M | |
| ⚠C998 | QCZ9074-103 | C CAPACITOR | 0.01uF AC250V M | |
| ⚠C999 | QCZ9074-103 | C CAPACITOR | 0.01uF AC250V M | |
| R002 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R003 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R004 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R005 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R008 | NRSA63J-820X | MG RESISTOR | 82Ω 1/16W J | |
| R009 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R101 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| R102 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J | |
| R103 | QRE121J-101Y | C RESISTOR | 100Ω 1/2W J | |
| R104 | NRSA63J-180X | MG RESISTOR | 18Ω 1/16W J | |
| R105 | NRSA63J-270X | MG RESISTOR | 27Ω 1/16W J | |
| R111 | NRSA63J-394X | MG RESISTOR | 390kΩ 1/16W J | |
| R112 | NRSA63J-334X | MG RESISTOR | 330kΩ 1/16W J | |
| R113 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R115 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R116 | NRSA63J-680X | MG RESISTOR | 68Ω 1/16W J | |
| R117 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J | |
| R118 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R131 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R132 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R133 | NRSA63J-821X | MG RESISTOR | 820Ω 1/16W J | |
| R134 | NRSA63J-561X | MG RESISTOR | 560Ω 1/16W J | |
| R135 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R161 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R162 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R163 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R164 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R165 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R166 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R167 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R168 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R169 | NRSA63J-561X | MG RESISTOR | 560Ω 1/16W J | |
| R171 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R201 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R212 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J | |
| R215 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| R216 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| R217 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R222 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R227 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R231 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J | |
| R237 | NRSA63J-392X | MG RESISTOR | 3.9kΩ 1/16W J | |
| R238 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R241 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| R243 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J |
| R281 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J |
| R282 | NRSA63J-392X | MG RESISTOR | 3.9kΩ 1/16W J |
| R283 | NRSA63J-681X | MG RESISTOR | 680Ω 1/16W J |
| R286 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R287 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R288 | NRSA02J-471X | MG RESISTOR | 470Ω 1/10W J |
| R289 | NRSA63J-154X | MG RESISTOR | 150kΩ 1/16W J |
| R290 | NRSA02J-561X | MG RESISTOR | 560Ω 1/10W J |
| R292 | NRSA63J-124X | MG RESISTOR | 120kΩ 1/16W J |
| R293 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J |
| R301 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R302 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R303 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R304 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R305 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R306 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R318 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R319 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R352 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R354 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R355 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R356 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R358 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R359 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R360 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| R421 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J |
| R426 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R427 | QRT029J-1R2 | MF RESISTOR | 1.2Ω 2W J |
| R428 | QRE121J-120Y | C RESISTOR | 12Ω 1/2W J |
| R431 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R432 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R433 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R434 | QRL029J-221 | OMF RESISTOR | 220Ω 2W J |
| R446 | QRE121J-272Y | C RESISTOR | 2.7kΩ 1/2W J |
| R447 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J |
| R449 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J |
| R451 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R452 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R501 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R502 | NRSA63J-271X | MG RESISTOR | 270Ω 1/16W J |
| R503 | QRE121J-103Y | C RESISTOR | 10kΩ 1/2W J |
| R504 | QRL039J-152 | OMF RESISTOR | 1.5kΩ 3W J |
| R505 | QRL039J-152 | OMF RESISTOR | 1.5kΩ 3W J |
| R506 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R508 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R509 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R511 | QRE121J-220Y | C RESISTOR | 22Ω 1/2W J |
| R512 | QRE121J-681Y | C RESISTOR | 680Ω 1/2W J |
| R513 | QRL039J-273 | OMF RESISTOR | 27kΩ 3W J |
| R515 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R516 | QRZ0221-2R0 | OMF RESISTOR | 2Ω 7W K |
| R524 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J |
| R526 | QRE121J-272Y | C RESISTOR | 2.7kΩ 1/2W J |
| R527 | QRE121J-154Y | C RESISTOR | 150kΩ 1/2W J |
| R528 | QRE121J-154Y | C RESISTOR | 150kΩ 1/2W J |
| R529 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J |
| ⚠R531 | QRJ146J-391X | UNF C RESISTOR | 390Ω 1/4W J |
| R532 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J |
| R533 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R534 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| ⚠R535 | NRVA02D-242X | CMF RESISTOR | 2.4kΩ 1/10W D |
| ⚠R537 | NRVA02D-752X | CMF RESISTOR | 7.5kΩ 1/10W D |
| R538 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R541 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R543 | QRE121J-182Y | C RESISTOR | 1.8kΩ 1/2W J |
| R544 | QRE121J-103Y | C RESISTOR | 10kΩ 1/2W J |
| R545 | QRE121J-822Y | C RESISTOR | 8.2kΩ 1/2W J |
| R546 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J |
| R547 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R548 | QRE121J-152Y | C RESISTOR | 1.5kΩ 1/2W J |
| R553 | QRL039J-390 | OMF RESISTOR | 39Ω 3W J |
| ⚠R554 | QRK126J-150X | UNF C RESISTOR | 15Ω 1/2W J |
| R555 | QRX029J-1R0 | MF RESISTOR | 1Ω 2W J |
| R556 | QRX029J-1R0 | MF RESISTOR | 1Ω 2W J |
| R561 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R562 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R581 | QRE121J-100Y | C RESISTOR | 10Ω 1/2W J |
| R582 | NRSA63J-124X | MG RESISTOR | 120kΩ 1/16W J |
| R583 | NRSA63J-683X | MG RESISTOR | 68kΩ 1/16W J |
| R584 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J |
| R585 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R586 | NRSA63J-154X | MG RESISTOR | 150kΩ 1/16W J |
| R587 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R588 | QRE121J-100Y | C RESISTOR | 10Ω 1/2W J |
| R589 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R590 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| ⚠R591 | QRJ149J-220 | UNF C RESISTOR | 22Ω 1/4W J |
| R592 | NRSA63J-183X | MG RESISTOR | 18kΩ 1/16W J |
| R593 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R594 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J |
| R595 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R601 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R602 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R603 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R604 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R605 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R606 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R614 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R615 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R616 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R617 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R618 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R621 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R622 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J |
| R623 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R624 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J |
| R626 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R627 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R628 | QRK126J-102X | UNF C RESISTOR | 1kΩ 1/2W J |
| R629 | QRK126J-102X | UNF C RESISTOR | 1kΩ 1/2W J |
| R631 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R632 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R633 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R637 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R638 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R639 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R640 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R641 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R644 | QRJ146J-2R2X | UNF C RESISTOR | 2.2Ω 1/4W J |
| R645 | QRJ146J-2R2X | UNF C RESISTOR | 2.2Ω 1/4W J |
| R647 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R655 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J |
| R657 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R700 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R701 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R702 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R704 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R705 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R706 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R707 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R708 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R709 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R714 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J |
| R715 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R718 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R721 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R728 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R729 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R731 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R732 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R733 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R734 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R737 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R739 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R740 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R754 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R755 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J |
| R756 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R764 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R765 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R766 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R767 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R769 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R772 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R775 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R776 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R811 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R812 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R816 | NRSA63J-124X | MG RESISTOR | 120kΩ 1/16W J |
| R821 | NRSA63J-184X | MG RESISTOR | 180kΩ 1/16W J |
| R822 | NRSA63J-124X | MG RESISTOR | 120kΩ 1/16W J |
| R827 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R857 | QRL029J-820 | OMF RESISTOR | 82Ω 2W J |
| R858 | QRL029J-180 | OMF RESISTOR | 18Ω 2W J |
| R901 | QRF074K-1R2 | UNF WW RESISTOR | 1.2Ω 7W K |
| R909 | QRG01GJ-470 | OMF RESISTOR | 47Ω 1W J |
| R911 | QRE121J-223Y | C RESISTOR | 22kΩ 1/2W J |
| R912 | QRT029J-R18 | MF RESISTOR | 0.18Ω 2W J |
| R913 | QRT029J-R15 | MF RESISTOR | 0.15Ω 2W J |
| ⚠R914 | QRK126J-681X | UNF C RESISTOR | 680Ω 1/2W J |
| ⚠R915 | QRK129J-6R8 | UNF C RESISTOR | 6.8Ω 1/2W J |
| ⚠R917 | QRK126J-332X | UNF C RESISTOR | 3.3kΩ 1/2W J |
| R918 | QRE121J-222Y | C RESISTOR | 2.2kΩ 1/2W J |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| R919 | QRE121J-684Y | C RESISTOR | 680kΩ 1/2W J | |
| R924 | QRE121J-222Y | C RESISTOR | 2.2kΩ 1/2W J | |
| R930 | QRE121J-223Y | C RESISTOR | 22kΩ 1/2W J | |
| R939 | QRT039J-1R5 | MF RESISTOR | 1.5Ω 3W J | |
| R940 | QRE121J-181Y | C RESISTOR | 180Ω 1/2W J | |
| R941 | QRL029J-183 | OMF RESISTOR | 18kΩ 2W J | |
| R950 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R951 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R952 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R953 | QRE121J-820Y | C RESISTOR | 82Ω 1/2W J | |
| R973 | QRE121J-272Y | C RESISTOR | 2.7kΩ 1/2W J | |
| R975 | QRE121J-223Y | C RESISTOR | 22kΩ 1/2W J | |
| R977 | QRE121J-473Y | C RESISTOR | 47kΩ 1/2W J | |
| R978 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R979 | QRT029J-1R0 | MF RESISTOR | 1Ω 2W J | |
| R980 | QRT029J-1R0 | MF RESISTOR | 1Ω 2W J | |
| ⚠R998 | QRZ9041-275 | C RESISTOR | 2.7MΩ 1/2W K | |
| R999 | QRE121J-121Y | C RESISTOR | 120Ω 1/2W J | |
| L001 | QQL244K-560Z | COIL | 56uH K | |
| L101 | QQLZ014-R22 | COIL | 0.22uH 100mA L | |
| L113 | QQL244K-4R7Z | COIL | 4.7uH K | |
| L131 | QQL244K-150Z | COIL | 15uH K | |
| L161 | QQL244K-220Z | COIL | 22uH K | |
| L232 | QQL244K-560Z | COIL | 56uH K | |
| L241 | QQL244K-220Z | COIL | 22uH K | |
| L391 | QQL244K-220Z | COIL | 22uH K | |
| L511 | QQR1027-006 | LINEARITY COIL | | |
| L512 | QQLZ036-821 | COIL | 820uH K | |
| L521 | QQLZ026-101 | COIL | 100uH ±7% | |
| L701 | QQL244K-220Z | COIL | 22uH K | |
| L702 | QQL244K-220Z | COIL | 22uH K | |
| L703 | QQL244K-220Z | COIL | 22uH K | |
| L704 | QQL244K-220Z | COIL | 22uH K | |
| L705 | QQL244K-220Z | COIL | 22uH K | |
| L931 | QQL26AK-470Z | COIL | 47uH K | |
| L933 | QQL26AK-470Z | COIL | 47uH K | |
| L937 | QQL26AK-470Z | COIL | 47uH K | |
| L940 | QQR0582-001Z | FERRITE BEADS | | |
| T111 | QQR0907-001 | IFT | | |
| T501 | CE42034-002 | HOR DRIVE TRANS | | |
| ⚠T921 | QQS0225-001 | SW TRANSF | | |
| ⚠T951 | QQT0372-001 | POWER TRANSF | | |
| CF001 | QAX0349-001 | C TRAP | 47.25MHz | |
| CF131 | QAX0639-001Z | C TRAP | 4.500MHz | |
| CF161 | QAX0642-001Z | C FILTER | 4.500MHz | |
| CN001 | QGB1505J1-35 | CONNECTOR | B-B (1-35) | |
| CN002 | QGB1505J1-25 | CONNECTOR | B-B (1-25) | |
| CN004 | QGA2501C5-07Z | CONNECTOR | W-B (1-7) | |
| CN005 | QGA2501C5-06Z | CONNECTOR | W-B (1-6) | |
| CN007 | QGA2501C5-06Z | CONNECTOR | W-B (1-6) | |
| CN00C | QGA2501F1-06 | CONNECTOR | W-B (1-6) | |
| CN00K | QGA2501C5-05Z | CONNECTOR | W-B (1-5) | |
| CN00Q | QGA2501C5-03Z | CONNECTOR | W-B (1-3) | |
| CN0CP | CE41507-001P | LV CONNECTOR | | |
| CN0E1 | CE41507-001P | LV CONNECTOR | | |
| CN0E3 | CE41507-001P | LV CONNECTOR | | |
| CN0HV | QGZ5004C1-06 | CONNECTOR | (1-6) | |
| CN0S1 | QGA2501C5-05Z | CONNECTOR | W-B (1-5) | |
| CN0SS | QGA2501C5-04Z | CONNECTOR | W-B (1-4) | |
| ⚠CP932 | ICP-N70-T | IC PROTECTOR | 2.5A | |
| ⚠CP933 | ICP-N70-T | IC PROTECTOR | 2.5A | |
| ⚠CP936 | ICP-N70-T | IC PROTECTOR | 2.5A | |
| ⚠F901 | QMF51N1-5R0-J5 | FUSE | 5A AC125V | |
| ⚠F905 | QMFZ049-5R0Z-E | FUSE | 5A 125V | |
| FC901 | CEMG002-001Z | FUSE CLIP | | |
| FC902 | CEMG002-001Z | FUSE CLIP | | |
| ⚠FR525 | QRZ9017-4R7 | FUSI RESISTOR | 4.7Ω 1/4W J | |
| ⚠FR527 | QRZ9011-470 | FUSI RESISTOR | 47Ω 1/2W J | |
| HS001 | LC32313-001A | HEAT SINK/AL-F/ | | |
| HS002 | LC31948-001A | HEAT SINK/AL-F/ | | |
| HS003 | LC31677-001A | HEAT SINK/AL-F/ | | |
| HS004 | CEHE015-001WU | HEAT SINK | | |
| HS005 | CM42862-00G-H | HEAT SINK ASSY | | |
| HS007 | CEHT11B-002QS | HEAT SINK | | |
| J601 | QNN0349-002 | PIN JACK | INPUT-2 COMP | |
| J602 | QNN0349-002 | PIN JACK | INPUT-4 COMP | |
| J810 | QNS0001-001 | 3.5 JACK | AV COMPLINK III | |
| K401 | QQR0621-002Z | FERRITE BEADS | | |
| K912 | QQR0582-001Z | FERRITE BEADS | | |
| K916 | QQR0582-001Z | FERRITE BEADS | | |
| K917 | QQR0582-001Z | FERRITE BEADS | | |
| K918 | QQR0582-001Z | FERRITE BEADS | | |
| K920 | QQR0872-002 | FERRITE BEADS | | |
| K931 | QQR0582-001Z | FERRITE BEADS | | |
| K932 | QQR0582-001Z | FERRITE BEADS | | |
| K933 | QQR0582-001Z | FERRITE BEADS | | |
| K935 | QQR0582-001Z | FERRITE BEADS | | |
| K937 | QQR0582-001Z | FERRITE BEADS | | |
| LC601 | QQR1199-001 | EMI FILTER | | |
| LC602 | QQR1199-001 | EMI FILTER | | |
| LC603 | QQR1199-001 | EMI FILTER | | |
| LC604 | QQR1199-001 | EMI FILTER | | |
| LC605 | QQR1199-001 | EMI FILTER | | |
| LC606 | QQR1199-001 | EMI FILTER | | |
| ⚠LF901 | QQR1159-001 | LINE FILTER | | |
| ⚠LF902 | QQR0527-004 | LINE FILTER | | |
| ⚠RY951 | QSK0085-001 | RELAY | | |
| SF101 | QAX0723-001 | SAW FILTER | | |
| ⚠TH901 | QAD0132-3R0 | P THERMISTOR | 3Ω | |
| ⚠TU001 | QAU0272-001 | TUNER | MAIN | |
| ⚠VA901 | ERZV10V621CS | ZNR | | |
| X701 | QAX0717-001Z | CRYSTAL | 8.000MHz | |

## DAF P.W. BOARD ASS'Y (SGJ-2502A-M2)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| Q2751 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q2752 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q2753 | 2SC4632 | POW TRANSISTOR | | |
| D2761 | ES1F-LFG2 | SI DIODE | | |
| D2762 | ES1F-LFG2 | SI DIODE | | |
| D2771 | MTZJ33A-T2 | Z DIODE | | |
| C2701 | QFV71HJ-104Z | MF CAPACITOR | 0.1uF 50V J | |
| C2751 | QFLC1HJ-333Z | M CAPACITOR | 0.033uF 50V J | |
| C2752 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M | |
| C2753 | QFZ0122-103 | MPP CAPACITOR | 0.01uF 1.8kV H | |
| C2761 | QFZ0122-682 | MPP CAPACITOR | 6800pF 1.8kV H | |
| C2771 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| R2701 | QRG01GJ-220 | OMF RESISTOR | 22Ω 1W J | |
| R2702 | QRE121J-123Y | C RESISTOR | 12kΩ 1/2W J | |
| R2703 | QRZ0056-103Z | COMP RESISTOR | 10kΩ 1/2W K | |
| R2751 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R2752 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J | |
| R2753 | NRSA63J-122X | MG RESISTOR | 1.2kΩ 1/16W J | |
| R2754 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R2755 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J | |
| R2756 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J | |
| R2757 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R2758 | NRSA63J-124X | MG RESISTOR | 120kΩ 1/16W J | |
| R2761 | QRE121J-184Y | C RESISTOR | 180kΩ 1/2W J | |
| R2762 | QRE121J-184Y | C RESISTOR | 180kΩ 1/2W J | |
| R2763 | QRE121J-184Y | C RESISTOR | 180kΩ 1/2W J | |
| R2764 | QRE121J-184Y | C RESISTOR | 180kΩ 1/2W J | |
| R2765 | QRE121J-184Y | C RESISTOR | 180kΩ 1/2W J | |
| R2771 | QRL039J-223 | OMF RESISTOR | 22kΩ 3W J | |
| L2701 | QQLZ028-272 | COIL | 2.7mH | |
| T2701 | QQR1153-001 | DAF TRANSF | | |
| CN200K | WJA0028-001A | E-S ID WIRE | | |
| CN200Q | WJA0026-001A | E-S ID WIRE | | |
| CN20CP | QUB573-26A6FX | SIN TWIST WIRE | | |
| CN2DAF | CE41507-001P | LV CONNECTOR | | |

## CRT SOCKET P.W. BOARD ASS'Y (SGJ-3503A-M2)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| Q3103 | 2SA933AS/QR/-T | TRANSISTOR | | |
| Q3105 | 2SC1740S/QR/-T | TRANSISTOR | | |
| Q3106 | 2SA933AS/QR/-T | TRANSISTOR | | |
| Q3107 | 2SA1964/DE/ | POW TRANSISTOR | | |
| Q3108 | 2SC5248/DE/ | POW TRANSISTOR | | |
| Q3109 | 2SC1740S/QR/-T | TRANSISTOR | | |
| Q3151 | 2SC1740S/QR/-T | TRANSISTOR | | |
| Q3152 | 2SA933AS/QR/-T | TRANSISTOR | | |
| Q3301 | 2SC5083/L-P/-T | TRANSISTOR | | |
| Q3302 | 2SC5083/L-P/-T | TRANSISTOR | | |
| Q3303 | 2SC5083/L-P/-T | TRANSISTOR | | |
| Q3304 | 2SC5147/CDE/F43 | POW TRANSISTOR | | |
| Q3305 | 2SC5147/CDE/F43 | POW TRANSISTOR | | |

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| Q3306 | 2SC5147/CDE/F43 | POW TRANSISTOR | |
| Q3351 | 2SA933AS/QR/-T | TRANSISTOR | |
| D3101 | 1SS133-T2 | DIODE | |
| D3105 | RH1S-T3 | SI DIODE | |
| D3106 | RH1S-T3 | SI DIODE | |
| D3301 | 1SS133-T2 | DIODE | |
| D3302 | 1SS133-T2 | DIODE | |
| D3303 | 1SS133-T2 | DIODE | |
| D3304 | 1SS82-T2 | SI DIODE | |
| D3305 | 1SS82-T2 | SI DIODE | |
| D3306 | 1SS82-T2 | SI DIODE | |
| D3311 | MTZJ3.6B-T2 | Z DIODE | |
| D3312 | 1SS133-T2 | DIODE | |
| D3313 | MTZJ4.3A-T2 | Z DIODE | |
| D3314 | 1SS133-T2 | DIODE | |
| D3331 | 1SS133-T2 | DIODE | |
| D3351 | 1SS133-T2 | DIODE | |
| D3352 | 1SS133-T2 | DIODE | |
| D3353 | 1SS133-T2 | DIODE | |
| D3354 | 1SS133-T2 | DIODE | |
| D3361 | RM2C-LFA1 | SI DIODE | |
| C3101 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C3109 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C3110 | NDC31HJ-221X | C CAPACITOR | 220pF 50V J |
| C3111 | NDC31HJ-221X | C CAPACITOR | 220pF 50V J |
| C3113 | QETN2CM-106Z | E CAPACITOR | 10uF 160V M |
| C3114 | QCB32HK-472Z | C CAPACITOR | 4700pF 500V K |
| C3115 | QCB32HK-472Z | C CAPACITOR | 4700pF 500V K |
| C3117 | QETN2CM-106Z | E CAPACITOR | 10uF 160V M |
| C3118 | QETN0JM-107Z | E CAPACITOR | 100uF 6.3V M |
| C3119 | QETN1AM-107Z | E CAPACITOR | 100uF 10V M |
| C3120 | QETN1AM-337Z | E CAPACITOR | 330uF 10V M |
| C3121 | QCS32HJ-151Z | C CAPACITOR | 150pF 500V J |
| C3122 | NDC31HJ-5R0X | C CAPACITOR | 5pF 50V J |
| C3125 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| C3151 | NCB21EK-104X | C CAPACITOR | 0.1uF 25V K |
| C3152 | NCB21EK-104X | C CAPACITOR | 0.1uF 25V K |
| C3301 | NDC31HJ-561X | C CAPACITOR | 560pF 50V J |
| C3302 | NDC31HJ-391X | C CAPACITOR | 390pF 50V J |
| C3303 | NDC31HJ-561X | C CAPACITOR | 560pF 50V J |
| C3321 | QETN2EM-105Z | E CAPACITOR | 1uF 250V M |
| C3322 | QETN2EM-105Z | E CAPACITOR | 1uF 250V M |
| C3323 | QETN1CM-477Z | E CAPACITOR | 470uF 16V M |
| C3351 | QETN1CM-337Z | E CAPACITOR | 330uF 16V M |
| C3361 | QETN2EM-105Z | E CAPACITOR | 1uF 250V M |
| C3363 | QCZ0324-102 | C CAPACITOR | 1000pF 3kV P |
| R3108 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R3111 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R3114 | QRJ146J-100X | UNF C RESISTOR | 10Ω 1/4W J |
| R3115 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J |
| R3116 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J |
| R3117 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R3119 | NRSA63J-121X | MG RESISTOR | 120Ω 1/16W J |
| ⚠R3122 | QRZ9021-561 | FUSI RESISTOR | 560Ω 1W J |
| R3123 | NRSA63J-122X | MG RESISTOR | 1.2kΩ 1/16W J |
| R3124 | NRSA63J-390X | MG RESISTOR | 39Ω 1/16W J |
| R3125 | NRSA63J-5R6X | MG RESISTOR | 5.6Ω 1/16W J |
| R3126 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J |
| R3127 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J |
| R3128 | NRSA63J-122X | MG RESISTOR | 1.2kΩ 1/16W J |
| R3129 | NRSA63J-5R6X | MG RESISTOR | 5.6Ω 1/16W J |
| R3130 | NRSA63J-390X | MG RESISTOR | 39Ω 1/16W J |
| R3131 | NRSA63J-121X | MG RESISTOR | 120Ω 1/16W J |
| R3132 | QRL029J-391 | OMF RESISTOR | 390Ω 2W J |
| R3134 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R3136 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R3139 | NRSA63J-681X | MG RESISTOR | 680Ω 1/16W J |
| R3142 | NRSA63J-124X | MG RESISTOR | 120kΩ 1/16W J |
| R3143 | NRSA63J-681X | MG RESISTOR | 680Ω 1/16W J |
| R3145 | NRSA63J-5R6X | MG RESISTOR | 5.6Ω 1/16W J |
| R3146 | NRSA63J-5R6X | MG RESISTOR | 5.6Ω 1/16W J |
| R3151 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R3152 | NRSA63J-683X | MG RESISTOR | 68kΩ 1/16W J |
| R3153 | NRSA63J-683X | MG RESISTOR | 68kΩ 1/16W J |
| R3154 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R3301 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J |
| R3302 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J |
| R3303 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J |
| R3304 | NRSA63J-121X | MG RESISTOR | 120Ω 1/16W J |
| R3305 | NRSA63J-121X | MG RESISTOR | 120Ω 1/16W J |
| R3306 | NRSA63J-121X | MG RESISTOR | 120Ω 1/16W J |
| R3307 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J |
| R3308 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J |
| R3309 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J |
| R3310 | QRG029J-153 | OMF RESISTOR | 15kΩ 2W J |
| R3311 | QRG029J-153 | OMF RESISTOR | 15kΩ 2W J |
| R3312 | QRG029J-153 | OMF RESISTOR | 15kΩ 2W J |
| R3313 | QRG029J-183 | OMF RESISTOR | 18kΩ 2W J |
| R3314 | QRG029J-183 | OMF RESISTOR | 18kΩ 2W J |
| R3315 | QRG029J-183 | OMF RESISTOR | 18kΩ 2W J |
| R3316 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R3317 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R3318 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R3325 | QRC121K-102Z | COMP RESISTOR | 1kΩ 1/2W K |
| R3326 | QRC121K-102Z | COMP RESISTOR | 1kΩ 1/2W K |
| R3327 | QRC121K-102Z | COMP RESISTOR | 1kΩ 1/2W K |
| R3334 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J |
| R3335 | NRSA63J-271X | MG RESISTOR | 270Ω 1/16W J |
| R3336 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R3337 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R3338 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R3351 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R3352 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R3353 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R3354 | NRSA63J-561X | MG RESISTOR | 560Ω 1/16W J |
| R3355 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J |
| R3361 | QRC121K-105Z | COMP RESISTOR | 1MΩ 1/2W K |
| R3362 | QRC121K-102Z | COMP RESISTOR | 1kΩ 1/2W K |
| R3363 | QRC121K-474Z | COMP RESISTOR | 470kΩ 1/2W K |
| L3301 | QQL244K-180Z | COIL | 18uH K |
| L3302 | QQL244K-180Z | COIL | 18uH K |
| L3303 | QQL244K-180Z | COIL | 18uH K |
| L3304 | QQL244K-470Z | COIL | 47uH K |
| L3305 | QQL244K-470Z | COIL | 47uH K |
| L3306 | QQL244K-470Z | COIL | 47uH K |
| CN3004 | QJB003-073632 | SIN ID C-B WIRE | |
| CN3005 | WJA0029-002A | E-S ID WIRE | |
| CN300V | QGA2501C5-03Z | CONNECTOR | W-B (1-3) |
| CN30E2 | QUB130-42A6AS | SIN TWIST WIRE | |
| CN30E4 | QUB130-42A6AS | SIN TWIST WIRE | |
| HS3010 | CEHP00N-001QS | HEAT SINK | |
| HS3011 | CEHP00N-001QS | HEAT SINK | |
| HS3012 | CEHP00N-001QS | HEAT SINK | |
| HS3013 | CEHP00N-001QS | HEAT SINK | |
| HS3014 | CEHP00N-001QS | HEAT SINK | |
| K3102 | CE41492-001Z | CHOKE COIL | |
| K3103 | CE41492-001Z | CHOKE COIL | |
| K3104 | CE41492-001Z | CHOKE COIL | |
| K3105 | CE41492-001Z | CHOKE COIL | |
| ⚠SK3001 | CE42670-001 | CRT SOCKET | |

## PIP P.W. BOARD ASS'Y (SGJ-4001A-M2)

REFER TO PARTS LIST IN PAGE 3-10 FOR THIS P.W. BOARD.

## AV SELECTOR P.W. BOARD ASS'Y (SGJ-5502A-M2)

REFER TO PARTS LIST IN PAGE 3-11 FOR THIS P.W. BOARD.

## FRONT CONTROL P.W. BOARD ASS'Y (SGJ-6502A-M2)

REFER TO PARTS LIST IN PAGE 3-23 FOR THIS P.W. BOARD.

## LED & POWER SW P.W. BOARD ASS'Y (SGJ-7502A-M2)

REFER TO PARTS LIST IN PAGE 3-13 FOR THIS P.W. BOARD.

# PRINTED WIRING BOARD PARTS LIST [AV-36FA54 /AYA]

## MAIN P.W. BOARD ASS'Y (SGJ-1512A-M2)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| IC101 | M52342SP | IC | | |
| IC201 | TM8812CSDNG4UC1 | IC(MCU) | | |
| IC421 | LA7841 | IC | | |
| IC501 | LA6515 | IC | | |
| IC502 | CXA1875AM-X | IC | | |
| IC601 | TA1287F-X | IC | | |
| IC602 | M52055FP-X | IC | | |
| IC621 | AN5277 | IC | | |
| IC702 | AT24WC04-32FA54 | IC | (SERVICE) | |
| IC703 | S-80840CNY-T | IC | | |
| IC704 | AN78L05-T | IC | | |
| IC851 | L7812CP | IC | | |
| IC852 | L7809CP | IC | | |
| IC853 | L7805CP | IC | | |
| ⚠IC911 | STR-F6626/F3 | IC | | |
| ⚠IC921 | SE135N | IC | | |
| Q001 | UN2212-X | DIGI TRANSISTOR | | |
| Q101 | 2SC5083/L-P/-T | TRANSISTOR | | |
| Q131 | 2SB709A/QR/-X | TRANSISTOR | | |
| Q161 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q211 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q232 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q233 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q352 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q353 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q431 | UN2212-X | DIGI TRANSISTOR | | |
| Q451 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q501 | 2SC4212/Z1/ | TRANSISTOR | | |
| ⚠Q511 | 2SD2645-YD | TRANSISTOR | H OUT | |
| Q531 | 2SC2785/JH/-T | SI TRANSISTOR | | |
| Q532 | 2SB709A/QR/-X | TRANSISTOR | | |
| Q541 | 2SB709A/QR/-X | TRANSISTOR | | |
| Q542 | 2SB709A/QR/-X | TRANSISTOR | | |
| Q543 | 2SD1408/OY/-LB | POW TRANSISTOR | | |
| Q551 | 2SC1740S/QR/-T | TRANSISTOR | | |
| Q552 | 2SA966/OY/-T | TRANSISTOR | | |
| Q622 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q623 | UN2212-X | DIGI TRANSISTOR | | |
| Q624 | 2SB709A/QR/-X | TRANSISTOR | | |
| Q700 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q701 | 2SB709A/QR/-X | TRANSISTOR | | |
| Q705 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q951 | 2SD1383K/AB/-X | TRANSISTOR | | |
| Q971 | 2SA1208/ST/Z1-T | TRANSISTOR | | |
| D305 | 1SS133-T2 | DIODE | | |
| D306 | 1SS133-T2 | DIODE | | |
| D307 | 1SS133-T2 | DIODE | | |
| D308 | 1SS133-T2 | DIODE | | |
| D309 | 1SS133-T2 | DIODE | | |
| D310 | 1SS133-T2 | DIODE | | |
| D352 | MTZJ9.1C-T2 | Z DIODE | | |
| D353 | 1SS133-T2 | DIODE | | |
| D354 | MTZJ3.3A-T2 | Z DIODE | | |
| D421 | 1N4003-T2 | SI DIODE | | |
| D431 | 1SR35-400A-T2 | SI DIODE | | |
| D432 | 1SS133-T2 | DIODE | | |
| D501 | RH3G-F1 | SI DIODE | | |
| D502 | RU3AM-LFC4 | SI DIODE | | |
| D507 | RGP10J-5025-T3 | SI DIODE | | |
| D521 | RH1S-T3 | SI DIODE | | |
| D523 | EL1Z-T3 | SI DIODE | | |
| D524 | EL1Z-T3 | SI DIODE | | |
| D525 | 1SS81-T5 | SI DIODE | | |
| D526 | 1SS81-T5 | SI DIODE | | |
| D527 | 1SR124-400A-T2 | SI DIODE | | |
| D529 | MTZJ9.1C-T2 | Z DIODE | | |
| ⚠D531 | MA4068N/Z1/-T2 | Z DIODE | | |
| D535 | 1SS133-T2 | DIODE | | |
| D537 | 1SR35-400A-T2 | SI DIODE | | |
| D601 | MTZJ9.1C-T2 | Z DIODE | | |
| D602 | MTZJ9.1C-T2 | Z DIODE | | |
| D603 | MTZJ9.1C-T2 | Z DIODE | | |
| D604 | MTZJ9.1C-T2 | Z DIODE | | |
| D605 | MTZJ9.1C-T2 | Z DIODE | | |
| D606 | MTZJ9.1C-T2 | Z DIODE | | |
| D621 | 1SS133-T2 | DIODE | | |
| D622 | 1SS133-T2 | DIODE | | |
| D630 | 1SS133-T2 | DIODE | | |
| D633 | 1SS133-T2 | DIODE | | |
| D653 | 1SS133-T2 | DIODE | | |
| D654 | 1SS133-T2 | DIODE | | |
| D700 | MTZJ5.6B-T2 | Z DIODE | | |
| D701 | 1SS133-T2 | DIODE | | |
| D703 | MTZJ5.6B-T2 | Z DIODE | | |
| D704 | MTZJ5.6B-T2 | Z DIODE | | |
| D705 | 1SS133-T2 | DIODE | | |
| D706 | MTZJ5.6B-T2 | Z DIODE | | |
| D707 | MTZJ5.6B-T2 | Z DIODE | | |
| D708 | MTZJ5.6B-T2 | Z DIODE | | |
| D709 | MTZJ5.6B-T2 | Z DIODE | | |
| D721 | 1SS133-T2 | DIODE | | |
| D722 | 1SS133-T2 | DIODE | | |
| D723 | MTZJ5.6B-T2 | Z DIODE | | |
| D810 | MTZJ5.6B-T2 | Z DIODE | | |
| ⚠D901 | GSIB460-S1 | BRIDGE DIODE | | |
| D910 | MA700A-T2 | SB DIODE | | |
| D911 | RGP10J-5025-T3 | SI DIODE | | |
| D912 | RGP10J-5025-T3 | SI DIODE | | |
| D913 | RGP10J-5025-T3 | SI DIODE | | |
| D914 | 1SS133-T2 | DIODE | | |
| D915 | SARS01-T2 | SI DIODE | | |
| D917 | MTZJ30A-T2 | Z DIODE | | |
| D918 | MTZJ5.1C-T2 | Z DIODE | | |
| D920 | 1SS133-T2 | DIODE | | |
| D931 | RU30A-F1 | SI DIODE | | |
| D933 | RU3YX-LFC4 | SI DIODE | | |
| D935 | RU3YX-LFC4 | SI DIODE | | |
| D937 | RU3YX-LFC4 | SI DIODE | | |
| D941 | MTZJ33A-T2 | Z DIODE | | |
| D945 | MTZJ9.1B-T2 | Z DIODE | | |
| D952 | 1SS133-T2 | DIODE | | |
| D953 | 1SS133-T2 | DIODE | | |
| D954 | 1SR35-400A-T2 | SI DIODE | | |
| D955 | 1SR35-400A-T2 | SI DIODE | | |
| D956 | 1SR35-400A-T2 | SI DIODE | | |
| D957 | 1SR35-400A-T2 | SI DIODE | | |
| D972 | MTZJ15C-T2 | Z DIODE | | |
| D973 | 1SS133-T2 | DIODE | | |
| ⚠PC921 | TLP421F/D4-GR/ | PHOTO COUPLER | | |
| C001 | QETN1HM-475Z | E CAPACITOR | 4.7uF 50V M | |
| C003 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C004 | QETN1CM-108Z | E CAPACITOR | 1000uF 16V M | |
| C006 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M | |
| C101 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C102 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C104 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C105 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C106 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M | |
| C107 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C113 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C114 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C116 | QFVF1HJ-224Z | MF CAPACITOR | 0.22uF 50V J | |
| C117 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M | |
| C118 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C119 | NDC31HJ-681X | C CAPACITOR | 680pF 50V J | |
| C120 | QETN1HM-474Z | E CAPACITOR | 0.47uF 50V M | |
| C124 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C131 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C161 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C163 | NDC31HJ-470X | C CAPACITOR | 47pF 50V J | |
| C164 | NDC31HJ-470X | C CAPACITOR | 47pF 50V J | |
| C165 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C166 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C202 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M | |
| C203 | NCB31HK-152X | C CAPACITOR | 1500pF 50V K | |
| C211 | QENC1CM-106Z | BP E CAPACITOR | 10uF 16V M | |
| C212 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J | |
| C221 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C222 | QFVF1HJ-104Z | MF CAPACITOR | 0.1uF 50V J | |
| C223 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C233 | NDC31HJ-680X | C CAPACITOR | 68pF 50V J | |
| C237 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C241 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C242 | QETN1HM-225Z | E CAPACITOR | 2.2uF 50V M | |
| C243 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | |
| C244 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C281 | QFVF1HJ-474Z | MF CAPACITOR | 0.47uF 50V J | |
| C282 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | |
| C283 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C284 | QETN1HM-225Z | E CAPACITOR | 2.2uF 50V M | |
| C285 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C286 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| C287 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C288 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C302 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K |
| C352 | QETN1CM-476Z | E CAPACITOR | 47uF 16V M |
| C354 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C391 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C392 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C422 | QFN32AK-102Z | M CAPACITOR | 1000pF 100V K |
| C424 | QETN1VM-107Z | E CAPACITOR | 100uF 35V M |
| C428 | QEHQ1VM-108 | E CAPACITOR | 1000uF 35V M |
| C429 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M |
| C431 | QFLC2AK-563Z | M CAPACITOR | 0.056uF 100V K |
| C432 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C433 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C435 | NCB21HK-183X | C CAPACITOR | 0.018uF 50V K |
| C440 | QCS32HJ-180Z | C CAPACITOR | 18pF 500V J |
| C501 | QCB32HK-151Z | C CAPACITOR | 150pF 500V K |
| C502 | QCB32HK-331Z | C CAPACITOR | 330pF 500V K |
| C503 | QEHR2CM-105Z | E CAPACITOR | 1uF 160V M |
| C504 | QEZ0203-107 | E CAPACITOR | 100uF 160V M |
| C505 | QENC2AM-225Z | BP E CAPACITOR | 2.2uF 100V M |
| C507 | QEZ0195-475Z | BP E CAPACITOR | 4.7uF 50V M |
| ⚠C510 | QFZ0200-422 | MPP CAPACITOR | 4200pF 1.5kV H |
| ⚠C513 | QFZ0198-153 | MPP CAPACITOR | 0.015uF 1.5kV H |
| C514 | QFP32GJ-223 | PP CAPACITOR | 0.022uF 400V J |
| C515 | QFZ0199-474 | MPP CAPACITOR | 0.47uF 250V J |
| C516 | QCB32HK-561Z | C CAPACITOR | 560pF 500V K |
| C521 | QETN2EM-106Z | E CAPACITOR | 10uF 250V M |
| C523 | QETN1EM-108Z | E CAPACITOR | 1000uF 25V M |
| C524 | QETN1EM-108Z | E CAPACITOR | 1000uF 25V M |
| C525 | QETN1VM-107Z | E CAPACITOR | 100uF 35V M |
| C526 | QFV21HJ-824Z | MF CAPACITOR | 0.82uF 50V J |
| C527 | QFLC2AJ-103Z | M CAPACITOR | 0.01uF 100V J |
| C533 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C551 | QFVF1HJ-474Z | MF CAPACITOR | 0.47uF 50V J |
| C552 | QFVF1HJ-474Z | MF CAPACITOR | 0.47uF 50V J |
| C553 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C561 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C562 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C601 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C602 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C603 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C604 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K |
| C605 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K |
| C606 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K |
| C607 | QETN1AM-477Z | E CAPACITOR | 470uF 10V M |
| C608 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C609 | QFVF1HJ-104Z | MF CAPACITOR | 0.1uF 50V J |
| C610 | QFVF1HJ-104Z | MF CAPACITOR | 0.1uF 50V J |
| C611 | QFVF1HJ-104Z | MF CAPACITOR | 0.1uF 50V J |
| C612 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C613 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C614 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C615 | QETN1AM-477Z | E CAPACITOR | 470uF 10V M |
| C616 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C621 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K |
| C622 | NCF21CZ-105X | C CAPACITOR | 1uF 16V Z |
| C623 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K |
| C624 | NCF21CZ-105X | C CAPACITOR | 1uF 16V Z |
| C625 | QETN1VM-107Z | E CAPACITOR | 100uF 35V M |
| C626 | QETN1VM-108Z | E CAPACITOR | 1000uF 35V M |
| C627 | QETN1HM-474Z | E CAPACITOR | 0.47uF 50V M |
| C628 | QETN1EM-108Z | E CAPACITOR | 1000uF 25V M |
| C629 | QETN1EM-108Z | E CAPACITOR | 1000uF 25V M |
| C633 | QETN1CM-477Z | E CAPACITOR | 470uF 16V M |
| C636 | QETN1HM-474Z | E CAPACITOR | 0.47uF 50V M |
| C637 | QETN1HM-474Z | E CAPACITOR | 0.47uF 50V M |
| C638 | QFV71HJ-124Z | MF CAPACITOR | 0.12uF 50V J |
| C639 | QFV71HJ-124Z | MF CAPACITOR | 0.12uF 50V J |
| C641 | QETN1HM-475Z | E CAPACITOR | 4.7uF 50V M |
| C652 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K |
| C653 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K |
| C654 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K |
| C655 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C656 | NDC31HJ-150X | C CAPACITOR | 15pF 50V J |
| C657 | NDC31HJ-150X | C CAPACITOR | 15pF 50V J |
| C658 | NDC31HJ-150X | C CAPACITOR | 15pF 50V J |
| C700 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K |
| C701 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C702 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C703 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C704 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C705 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C706 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M |
| C708 | NDC31HJ-220X | C CAPACITOR | 22pF 50V J |
| C709 | NDC31HJ-220X | C CAPACITOR | 22pF 50V J |
| C711 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C712 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C716 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C721 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C726 | NDC31HJ-561X | C CAPACITOR | 560pF 50V J |
| C728 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C807 | QETN1AM-477Z | E CAPACITOR | 470uF 10V M |
| C813 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K |
| C815 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C851 | QETN1EM-107Z | E CAPACITOR | 100uF 25V M |
| C852 | QETN1EM-107Z | E CAPACITOR | 100uF 25V M |
| C853 | QETN1CM-227Z | E CAPACITOR | 220uF 16V M |
| C854 | QETN1CM-227Z | E CAPACITOR | 220uF 16V M |
| C856 | QETN1CM-227Z | E CAPACITOR | 220uF 16V M |
| C857 | QETN1CM-477Z | E CAPACITOR | 470uF 16V M |
| ⚠C901 | QFZ9072-104 | MM CAPACITOR | 0.1uF AC250V K |
| ⚠C902 | QFZ9072-473 | MM CAPACITOR | 0.047uF AC250V K |
| ⚠C903 | QFZ9072-104 | MM CAPACITOR | 0.1uF AC250V K |
| ⚠C904 | QCZ9054-102 | C CAPACITOR | 1000pF AC250V Z |
| ⚠C905 | QCZ9054-102 | C CAPACITOR | 1000pF AC250V Z |
| ⚠C906 | QCZ9054-102 | C CAPACITOR | 1000pF AC250V Z |
| C907 | QEZ0644-567 | E CAPACITOR | 560uF 200V K |
| ⚠C908 | QCZ9054-102 | C CAPACITOR | 1000pF AC250V Z |
| C912 | QCZ0340-222 | C CAPACITOR | 2200pF 2kV K |
| C913 | QFLC1HJ-471Z | M CAPACITOR | 470pF 50V J |
| C914 | QETN1HM-107Z | E CAPACITOR | 100uF 50V M |
| C916 | NDC31HJ-331X | C CAPACITOR | 330pF 50V J |
| C917 | NCB31HK-182X | C CAPACITOR | 1800pF 50V K |
| C918 | NCB21HK-104X | C CAPACITOR | 0.1uF 50V K |
| C919 | QFP32GJ-103 | PP CAPACITOR | 0.01uF 400V J |
| C931 | QEZ0203-227 | E CAPACITOR | 220uF 160V M |
| C932 | QETN1EM-108Z | E CAPACITOR | 1000uF 25V M |
| C933 | QETN1CM-108Z | E CAPACITOR | 1000uF 16V M |
| C934 | NDC31HJ-221X | C CAPACITOR | 220pF 50V J |
| C935 | QETN1VM-108Z | E CAPACITOR | 1000uF 35V M |
| C937 | QCZ0340-102 | C CAPACITOR | 1000pF 2kV K |
| C938 | QETN1CM-108Z | E CAPACITOR | 1000uF 16V M |
| C939 | QCB32HK-152Z | C CAPACITOR | 1500pF 500V K |
| C941 | QCB32HK-102Z | C CAPACITOR | 1000pF 500V K |
| C942 | QEHR1HM-105Z | E CAPACITOR | 1uF 50V M |
| C943 | QETN1CM-108Z | E CAPACITOR | 1000uF 16V M |
| C951 | QETN1EM-477Z | E CAPACITOR | 470uF 25V M |
| C952 | QETN1CM-227Z | E CAPACITOR | 220uF 16V M |
| C971 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C972 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C973 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| ⚠C997 | QCZ9052-102 | C CAPACITOR | 1000pF AC125V M |
| ⚠C998 | QCZ9074-103 | C CAPACITOR | 0.01uF AC250V M |
| ⚠C999 | QCZ9074-103 | C CAPACITOR | 0.01uF AC250V M |
| R002 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R003 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R004 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R005 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R008 | NRSA63J-820X | MG RESISTOR | 82Ω 1/16W J |
| R009 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R101 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R102 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J |
| R103 | QRE121J-101Y | C RESISTOR | 100Ω 1/2W J |
| R104 | NRSA63J-180X | MG RESISTOR | 18Ω 1/16W J |
| R105 | NRSA63J-270X | MG RESISTOR | 27Ω 1/16W J |
| R111 | NRSA63J-394X | MG RESISTOR | 390kΩ 1/16W J |
| R112 | NRSA63J-334X | MG RESISTOR | 330kΩ 1/16W J |
| R113 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R115 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R116 | NRSA63J-680X | MG RESISTOR | 68Ω 1/16W J |
| R117 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J |
| R118 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R131 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R132 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J |
| R133 | NRSA63J-821X | MG RESISTOR | 820Ω 1/16W J |
| R134 | NRSA63J-561X | MG RESISTOR | 560Ω 1/16W J |
| R135 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R161 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R162 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R163 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R164 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R165 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R166 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R167 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R168 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R169 | NRSA63J-561X | MG RESISTOR | 560Ω 1/16W J |
| R171 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R201 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R212 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J |
| R215 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R216 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R217 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| R222 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R227 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R231 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J |
| R237 | NRSA63J-392X | MG RESISTOR | 3.9kΩ 1/16W J |
| R238 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R241 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R243 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J |
| R281 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J |
| R282 | NRSA63J-392X | MG RESISTOR | 3.9kΩ 1/16W J |
| R283 | NRSA63J-681X | MG RESISTOR | 680Ω 1/16W J |
| R286 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R287 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R288 | NRSA02J-471X | MG RESISTOR | 470Ω 1/10W J |
| R289 | NRSA63J-154X | MG RESISTOR | 150kΩ 1/16W J |
| R290 | NRSA02J-561X | MG RESISTOR | 560Ω 1/10W J |
| R292 | NRSA63J-124X | MG RESISTOR | 120kΩ 1/16W J |
| R293 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J |
| R301 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R302 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R303 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R304 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R305 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R306 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R318 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R319 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R352 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R354 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R355 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R356 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R358 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R359 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R360 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| R421 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J |
| R426 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R427 | QRT029J-1R0 | MF RESISTOR | 1Ω 2W J |
| R431 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R432 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R433 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R434 | QRL029J-221 | OMF RESISTOR | 220Ω 2W J |
| R446 | QRE121J-272Y | C RESISTOR | 2.7kΩ 1/2W J |
| R447 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R449 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J |
| R451 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R452 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R501 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R502 | NRSA63J-271X | MG RESISTOR | 270Ω 1/16W J |
| R503 | QRE121J-103Y | C RESISTOR | 10kΩ 1/2W J |
| R504 | QRL039J-152 | OMF RESISTOR | 1.5kΩ 3W J |
| R505 | QRL039J-152 | OMF RESISTOR | 1.5kΩ 3W J |
| R506 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R508 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R509 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R510 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R511 | QRE121J-220Y | C RESISTOR | 22Ω 1/2W J |
| R512 | QRE121J-681Y | C RESISTOR | 680Ω 1/2W J |
| R513 | QRL039J-273 | OMF RESISTOR | 27kΩ 3W J |
| R514 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R515 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R516 | QRZ0221-2R0 | OMF RESISTOR | 2Ω 7W K |
| R524 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J |
| R526 | QRE121J-272Y | C RESISTOR | 2.7kΩ 1/2W J |
| R527 | QRE121J-124Y | C RESISTOR | 120kΩ 1/2W J |
| R528 | QRE121J-154Y | C RESISTOR | 150kΩ 1/2W J |
| R529 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J |
| ⚠R531 | QRJ146J-391X | UNF C RESISTOR | 390Ω 1/4W J |
| R532 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J |
| R533 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R534 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| ⚠R535 | NRVA02D-242X | CMF RESISTOR | 2.4kΩ 1/10W D |
| ⚠R537 | NRVA02D-752X | CMF RESISTOR | 7.5kΩ 1/10W D |
| R538 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R541 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R543 | QRE121J-122Y | C RESISTOR | 1.2kΩ 1/2W J |
| R544 | QRE121J-392Y | C RESISTOR | 3.9kΩ 1/2W J |
| R545 | QRE121J-822Y | C RESISTOR | 8.2kΩ 1/2W J |
| R546 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J |
| R547 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R548 | QRE121J-152Y | C RESISTOR | 1.5kΩ 1/2W J |
| R553 | QRL039J-390 | OMF RESISTOR | 39Ω 3W J |
| ⚠R554 | QRK126J-150X | UNF C RESISTOR | 15Ω 1/2W J |
| R555 | QRX029J-1R0 | MF RESISTOR | 1Ω 2W J |
| R556 | QRX029J-1R0 | MF RESISTOR | 1Ω 2W J |
| R558 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R561 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R562 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R581 | QRE121J-100Y | C RESISTOR | 10Ω 1/2W J |
| R582 | NRSA63J-124X | MG RESISTOR | 120kΩ 1/16W J |
| R583 | NRSA63J-683X | MG RESISTOR | 68kΩ 1/16W J |
| R584 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J |
| R585 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R586 | NRSA63J-154X | MG RESISTOR | 150kΩ 1/16W J |
| R587 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R588 | QRE121J-100Y | C RESISTOR | 10Ω 1/2W J |
| R589 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R590 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| ⚠R591 | QRJ149J-220 | UNF C RESISTOR | 22Ω 1/4W J |
| R592 | NRSA63J-183X | MG RESISTOR | 18kΩ 1/16W J |
| R593 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R594 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J |
| R595 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R601 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R602 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R603 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R604 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R605 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R606 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R614 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R615 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R616 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R617 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R618 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R621 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R622 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J |
| R623 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R624 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J |
| R626 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R627 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R628 | QRK126J-102X | UNF C RESISTOR | 1kΩ 1/2W J |
| R629 | QRK126J-102X | UNF C RESISTOR | 1kΩ 1/2W J |
| R631 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R632 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R633 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R637 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R638 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R639 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R640 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R641 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R644 | QRJ146J-2R2X | UNF C RESISTOR | 2.2Ω 1/4W J |
| R645 | QRJ146J-2R2X | UNF C RESISTOR | 2.2Ω 1/4W J |
| R647 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R655 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J |
| R657 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R700 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R701 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R702 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R704 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R705 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R706 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R707 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R708 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R709 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R714 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J |
| R715 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R718 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R721 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R728 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R729 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R731 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R732 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R733 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R734 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R737 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R739 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R740 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R754 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R755 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J |
| R756 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R764 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R765 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R766 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R767 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R769 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R772 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R775 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R776 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R811 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R812 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R816 | NRSA63J-124X | MG RESISTOR | 120kΩ 1/16W J |
| R821 | NRSA63J-184X | MG RESISTOR | 180kΩ 1/16W J |
| R822 | NRSA63J-124X | MG RESISTOR | 120kΩ 1/16W J |
| R827 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R857 | QRL029J-820 | OMF RESISTOR | 82Ω 2W J |
| R858 | QRL029J-180 | OMF RESISTOR | 18Ω 2W J |
| R901 | QRF074K-1R2 | UNF WW RESISTOR | 1.2Ω 7W K |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| R909 | QRG01GJ-470 | OMF RESISTOR | 47Ω 1W J | |
| R911 | QRE121J-223Y | C RESISTOR | 22kΩ 1/2W J | |
| R912 | QRT029J-R18 | MF RESISTOR | 0.18Ω 2W J | |
| R913 | QRT029J-R15 | MF RESISTOR | 0.15Ω 2W J | |
| ⚠R914 | QRK126J-681X | UNF C RESISTOR | 680Ω 1/2W J | |
| ⚠R915 | QRK129J-6R8 | UNF C RESISTOR | 6.8Ω 1/2W J | |
| ⚠R917 | QRK126J-332X | UNF C RESISTOR | 3.3kΩ 1/2W J | |
| R918 | QRE121J-222Y | C RESISTOR | 2.2kΩ 1/2W J | |
| R919 | QRE121J-684Y | C RESISTOR | 680kΩ 1/2W J | |
| R924 | QRE121J-222Y | C RESISTOR | 2.2kΩ 1/2W J | |
| R930 | QRE121J-223Y | C RESISTOR | 22kΩ 1/2W J | |
| R939 | QRT039J-1R5 | MF RESISTOR | 1.5Ω 3W J | |
| R940 | QRE121J-181Y | C RESISTOR | 180Ω 1/2W J | |
| R941 | QRL029J-183 | OMF RESISTOR | 18kΩ 2W J | |
| R950 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R951 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R952 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R953 | QRE121J-820Y | C RESISTOR | 82Ω 1/2W J | |
| R973 | QRE121J-272Y | C RESISTOR | 2.7kΩ 1/2W J | |
| R975 | QRE121J-223Y | C RESISTOR | 22kΩ 1/2W J | |
| R977 | QRE121J-473Y | C RESISTOR | 47kΩ 1/2W J | |
| R978 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R979 | QRT029J-1R0 | MF RESISTOR | 1Ω 2W J | |
| R980 | QRT029J-1R0 | MF RESISTOR | 1Ω 2W J | |
| ⚠R998 | QRZ9041-275 | C RESISTOR | 2.7MΩ 1/2W K | |
| R999 | QRE121J-121Y | C RESISTOR | 120Ω 1/2W J | |
| L001 | QQL244K-560Z | COIL | 56uH K | |
| L101 | QQLZ014-R22 | COIL | 0.22uH 100mA L | |
| L113 | QQL244K-4R7Z | COIL | 4.7uH K | |
| L131 | QQL244K-150Z | COIL | 15uH K | |
| L161 | QQL244K-220Z | COIL | 22uH K | |
| L232 | QQL244K-560Z | COIL | 56uH K | |
| L241 | QQL244K-220Z | COIL | 22uH K | |
| L391 | QQL244K-220Z | COIL | 22uH K | |
| L511 | QQR1027-005 | LINEARITY COIL | | |
| L512 | QQLZ036-821 | COIL | 820uH K | |
| L521 | QQLZ026-800 | COIL | 80uH ±7% | |
| L701 | QQL244K-220Z | COIL | 22uH K | |
| L702 | QQL244K-220Z | COIL | 22uH K | |
| L703 | QQL244K-220Z | COIL | 22uH K | |
| L704 | QQL244K-220Z | COIL | 22uH K | |
| L705 | QQL244K-220Z | COIL | 22uH K | |
| L931 | QQL26AK-470Z | COIL | 47uH K | |
| L933 | QQL26AK-470Z | COIL | 47uH K | |
| L937 | QQL26AK-470Z | COIL | 47uH K | |
| L940 | QQR0582-001Z | FERRITE BEADS | | |
| T111 | QQR0907-001 | IFT | | |
| T501 | CE42034-002 | HOR DRIVE TRANS | | |
| ⚠T921 | QQS0225-001 | SW TRANSF | | |
| ⚠T951 | QQT0372-001 | POWER TRANSF | | |
| CF001 | QAX0349-001 | C TRAP | 47.25MHz | |
| CF131 | QAX0639-001Z | C TRAP | 4.500MHz | |
| CF161 | QAX0642-001Z | C FILTER | 4.500MHz | |
| CN001 | QGB1505J1-35 | CONNECTOR | B-B (1-35) | |
| CN002 | QGB1505J1-25 | CONNECTOR | B-B (1-25) | |
| CN004 | QGA2501C5-07Z | CONNECTOR | W-B (1-7) | |
| CN005 | QGA2501C5-06Z | CONNECTOR | W-B (1-6) | |
| CN007 | QGA2501C5-06Z | CONNECTOR | W-B (1-6) | |
| CN00C | QGA2501F1-06 | CONNECTOR | W-B (1-6) | |
| CN00K | QGA2501C5-05Z | CONNECTOR | W-B (1-5) | |
| CN00Q | QGA2501C5-03Z | CONNECTOR | W-B (1-3) | |
| CN0CP | CE41507-001P | LV CONNECTOR | | |
| CN0E1 | CE41507-001P | LV CONNECTOR | | |
| CN0E3 | CE41507-001P | LV CONNECTOR | | |
| CN0HV | QGZ5004C1-06 | CONNECTOR | (1-6) | |
| CN0S1 | QGA2501C5-05Z | CONNECTOR | W-B (1-5) | |
| CN0SN | QGA2501C5-04Z | CONNECTOR | W-B (1-4) | |
| CN0SS | QGA2501C5-04Z | CONNECTOR | W-B (1-4) | |
| ⚠CP932 | ICP-N70-T | IC PROTECTOR | 2.5A | |
| ⚠CP933 | ICP-N70-T | IC PROTECTOR | 2.5A | |
| ⚠CP936 | ICP-N70-T | IC PROTECTOR | 2.5A | |
| ⚠F901 | QMF51N1-5R0-J5 | FUSE | 5A AC125V | |
| ⚠F905 | QMFZ049-5R0Z-E | FUSE | 5A 125V | |
| FC901 | CEMG002-001Z | FUSE CLIP | | |
| FC902 | CEMG002-001Z | FUSE CLIP | | |
| ⚠FR525 | QRZ9017-4R7 | FUSI RESISTOR | 4.7Ω 1/4W J | |
| ⚠FR527 | QRZ9011-470 | FUSI RESISTOR | 47Ω 1/2W J | |
| HS001 | LC32313-001A | HEAT SINK/AL-F/ | | |
| HS002 | LC31948-001A | HEAT SINK/AL-F/ | | |
| HS003 | LC31677-001A | HEAT SINK/AL-F/ | | |
| HS004 | CEHE015-001WU | HEAT SINK | | |
| HS005 | CM42862-00G-H | HEAT SINK ASSY | | |
| HS007 | CEHT11B-002QS | HEAT SINK | | |
| J601 | QNN0349-002 | PIN JACK | INPUT-2 COMP | |
| J602 | QNN0349-002 | PIN JACK | INPUT-4 COMP | |
| J810 | QNS0001-001 | 3.5 JACK | AV COMPLINK III | |
| K401 | QQR0621-002Z | FERRITE BEADS | | |
| K912 | QQR0582-001Z | FERRITE BEADS | | |
| K916 | QQR0582-001Z | FERRITE BEADS | | |
| K917 | QQR0582-001Z | FERRITE BEADS | | |
| K918 | QQR0582-001Z | FERRITE BEADS | | |
| K920 | QQR0872-002 | FERRITE BEADS | | |
| K931 | QQR0582-001Z | FERRITE BEADS | | |
| K932 | QQR0582-001Z | FERRITE BEADS | | |
| K933 | QQR0582-001Z | FERRITE BEADS | | |
| K935 | QQR0582-001Z | FERRITE BEADS | | |
| K937 | QQR0582-001Z | FERRITE BEADS | | |
| LC601 | QQR1199-001 | EMI FILTER | | |
| LC602 | QQR1199-001 | EMI FILTER | | |
| LC603 | QQR1199-001 | EMI FILTER | | |
| LC604 | QQR1199-001 | EMI FILTER | | |
| LC605 | QQR1199-001 | EMI FILTER | | |
| LC606 | QQR1199-001 | EMI FILTER | | |
| ⚠LF901 | QQR1159-001 | LINE FILTER | | |
| ⚠LF902 | QQR0527-004 | LINE FILTER | | |
| ⚠RY951 | QSK0085-001 | RELAY | | |
| SF101 | QAX0723-001 | SAW FILTER | | |
| ⚠TH901 | QAD0132-3R0 | P THERMISTOR | 3Ω | |
| ⚠TU001 | QAU0272-001 | TUNER | MAIN | |
| ⚠VA901 | ERZV10V621CS | ZNR | | |
| X701 | QAX0717-001Z | CRYSTAL | 8.000MHz | |

## DAF P.W. BOARD ASS'Y (SGJ-2501A-M2)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| Q2751 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q2752 | 2SD601A/QR/-X | TRANSISTOR | | |
| Q2753 | 2SC4632 | POW TRANSISTOR | | |
| D2761 | ES1F-LFG2 | SI DIODE | | |
| D2762 | ES1F-LFG2 | SI DIODE | | |
| D2771 | MTZJ33A-T2 | Z DIODE | | |
| C2701 | QFV71HJ-104Z | MF CAPACITOR | 0.1uF 50V J | |
| C2751 | QFLC1HJ-333Z | M CAPACITOR | 0.033uF 50V J | |
| C2752 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M | |
| C2753 | QFZ0122-103 | MPP CAPACITOR | 0.01uF 1.8kV H | |
| C2761 | QFZ0122-682 | MPP CAPACITOR | 6800pF 1.8kV H | |
| C2771 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| R2701 | QRG01GJ-220 | OMF RESISTOR | 22Ω 1W J | |
| R2702 | QRE121J-123Y | C RESISTOR | 12kΩ 1/2W J | |
| R2703 | QRZ0056-103Z | COMP RESISTOR | 10kΩ 1/2W K | |
| R2751 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R2752 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J | |
| R2753 | NRSA63J-122X | MG RESISTOR | 1.2kΩ 1/16W J | |
| R2754 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R2755 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J | |
| R2756 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J | |
| R2757 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R2758 | NRSA63J-124X | MG RESISTOR | 120kΩ 1/16W J | |
| R2761 | QRE121J-184Y | C RESISTOR | 180kΩ 1/2W J | |
| R2762 | QRE121J-184Y | C RESISTOR | 180kΩ 1/2W J | |
| R2763 | QRE121J-184Y | C RESISTOR | 180kΩ 1/2W J | |
| R2764 | QRE121J-184Y | C RESISTOR | 180kΩ 1/2W J | |
| R2765 | QRE121J-184Y | C RESISTOR | 180kΩ 1/2W J | |
| R2771 | QRL039J-223 | OMF RESISTOR | 22kΩ 3W J | |
| L2701 | QQLZ028-272 | COIL | 2.7mH | |
| T2701 | QQR1153-001 | DAF TRANSF | | |
| CN200K | WJA0028-001A | E-S ID WIRE | | |
| CN200Q | WJA0026-001A | E-S ID WIRE | | |
| CN20CP | QUB573-26A6FX | SIN TWIST WIRE | | |
| CN2DAF | CE41507-001P | LV CONNECTOR | | |

## CRT SOCKET P.W. BOARD ASS'Y (SGJ-3501A-M2)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| Q3103 | 2SA933AS/QR/-T | TRANSISTOR | | |
| Q3105 | 2SC1740S/QR/-T | TRANSISTOR | | |
| Q3106 | 2SA933AS/QR/-T | TRANSISTOR | | |
| Q3107 | 2SA1964/DE/ | POW TRANSISTOR | | |

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| Q3108 | 2SC5248/DE/ | POW TRANSISTOR | |
| Q3109 | 2SC1740S/QR/-T | TRANSISTOR | |
| Q3151 | 2SC1740S/QR/-T | TRANSISTOR | |
| Q3152 | 2SA933AS/QR/-T | TRANSISTOR | |
| Q3301 | 2SC5083/L-P/-T | TRANSISTOR | |
| Q3302 | 2SC5083/L-P/-T | TRANSISTOR | |
| Q3303 | 2SC5083/L-P/-T | TRANSISTOR | |
| Q3304 | 2SC5147/CDE/F43 | POW TRANSISTOR | |
| Q3305 | 2SC5147/CDE/F43 | POW TRANSISTOR | |
| Q3306 | 2SC5147/CDE/F43 | POW TRANSISTOR | |
| Q3351 | 2SA933AS/QR/-T | TRANSISTOR | |
| D3101 | 1SS133-T2 | DIODE | |
| D3105 | RH1S-T3 | SI DIODE | |
| D3106 | RH1S-T3 | SI DIODE | |
| D3301 | 1SS133-T2 | DIODE | |
| D3302 | 1SS133-T2 | DIODE | |
| D3303 | 1SS133-T2 | DIODE | |
| D3304 | 1SS82-T2 | SI DIODE | |
| D3305 | 1SS82-T2 | SI DIODE | |
| D3306 | 1SS82-T2 | SI DIODE | |
| D3311 | MTZJ3.6B-T2 | Z DIODE | |
| D3312 | 1SS133-T2 | DIODE | |
| D3313 | MTZJ4.3A-T2 | Z DIODE | |
| D3314 | 1SS133-T2 | DIODE | |
| D3331 | 1SS133-T2 | DIODE | |
| D3351 | 1SS133-T2 | DIODE | |
| D3352 | 1SS133-T2 | DIODE | |
| D3353 | 1SS133-T2 | DIODE | |
| D3354 | 1SS133-T2 | DIODE | |
| D3361 | RM2C-LFA1 | SI DIODE | |
| C3101 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C3109 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C3110 | NDC31HJ-221X | C CAPACITOR | 220pF 50V J |
| C3111 | NDC31HJ-221X | C CAPACITOR | 220pF 50V J |
| C3113 | QETN2CM-106Z | E CAPACITOR | 10uF 160V M |
| C3114 | QCB32HK-472Z | C CAPACITOR | 4700pF 500V K |
| C3115 | QCB32HK-472Z | C CAPACITOR | 4700pF 500V K |
| C3117 | QETN2CM-106Z | E CAPACITOR | 10uF 160V M |
| C3118 | QETN0JM-107Z | E CAPACITOR | 100uF 6.3V M |
| C3119 | QETN1AM-107Z | E CAPACITOR | 100uF 10V M |
| C3120 | QETN1AM-337Z | E CAPACITOR | 330uF 10V M |
| C3121 | QCS32HJ-151Z | C CAPACITOR | 150pF 500V J |
| C3122 | NDC31HJ-5R0X | C CAPACITOR | 5pF 50V J |
| C3125 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| C3151 | NCB21EK-104X | C CAPACITOR | 0.1uF 25V K |
| C3152 | NCB21EK-104X | C CAPACITOR | 0.1uF 25V K |
| C3301 | NDC31HJ-561X | C CAPACITOR | 560pF 50V J |
| C3302 | NDC31HJ-391X | C CAPACITOR | 390pF 50V J |
| C3303 | NDC31HJ-561X | C CAPACITOR | 560pF 50V J |
| C3321 | QETN2EM-105Z | E CAPACITOR | 1uF 250V M |
| C3322 | QETN2EM-105Z | E CAPACITOR | 1uF 250V M |
| C3323 | QETN1CM-477Z | E CAPACITOR | 470uF 16V M |
| C3351 | QETN1CM-337Z | E CAPACITOR | 330uF 16V M |
| C3361 | QETN2EM-105Z | E CAPACITOR | 1uF 250V M |
| C3363 | QCZ0324-102 | C CAPACITOR | 1000pF 3kV P |
| R3108 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R3111 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R3114 | QRJ146J-100X | UNF C RESISTOR | 10Ω 1/4W J |
| R3115 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J |
| R3116 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J |
| R3117 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R3119 | NRSA63J-121X | MG RESISTOR | 120Ω 1/16W J |
| ⚠R3122 | QRZ9021-561 | FUSI RESISTOR | 560Ω 1W J |
| R3123 | NRSA63J-122X | MG RESISTOR | 1.2kΩ 1/16W J |
| R3124 | NRSA63J-390X | MG RESISTOR | 39Ω 1/16W J |
| R3125 | NRSA63J-5R6X | MG RESISTOR | 5.6Ω 1/16W J |
| R3126 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J |
| R3127 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J |
| R3128 | NRSA63J-122X | MG RESISTOR | 1.2kΩ 1/16W J |
| R3129 | NRSA63J-5R6X | MG RESISTOR | 5.6Ω 1/16W J |
| R3130 | NRSA63J-390X | MG RESISTOR | 39Ω 1/16W J |
| R3131 | NRSA63J-121X | MG RESISTOR | 120Ω 1/16W J |
| R3132 | QRL029J-391 | OMF RESISTOR | 390Ω 2W J |
| R3134 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R3136 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R3139 | NRSA63J-681X | MG RESISTOR | 680Ω 1/16W J |
| R3142 | NRSA63J-124X | MG RESISTOR | 120kΩ 1/16W J |
| R3143 | NRSA63J-681X | MG RESISTOR | 680Ω 1/16W J |
| R3145 | NRSA63J-5R6X | MG RESISTOR | 5.6Ω 1/16W J |
| R3146 | NRSA63J-5R6X | MG RESISTOR | 5.6Ω 1/16W J |
| R3151 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R3152 | NRSA63J-683X | MG RESISTOR | 68kΩ 1/16W J |
| R3153 | NRSA63J-683X | MG RESISTOR | 68kΩ 1/16W J |
| R3154 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| R3301 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J |
| R3302 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J |
| R3303 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J |
| R3304 | NRSA63J-121X | MG RESISTOR | 120Ω 1/16W J |
| R3305 | NRSA63J-121X | MG RESISTOR | 120Ω 1/16W J |
| R3306 | NRSA63J-121X | MG RESISTOR | 120Ω 1/16W J |
| R3307 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J |
| R3308 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J |
| R3309 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J |
| R3310 | QRG029J-153 | OMF RESISTOR | 15kΩ 2W J |
| R3311 | QRG029J-153 | OMF RESISTOR | 15kΩ 2W J |
| R3312 | QRG029J-153 | OMF RESISTOR | 15kΩ 2W J |
| R3313 | QRG029J-183 | OMF RESISTOR | 18kΩ 2W J |
| R3314 | QRG029J-183 | OMF RESISTOR | 18kΩ 2W J |
| R3315 | QRG029J-183 | OMF RESISTOR | 18kΩ 2W J |
| R3316 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R3317 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R3318 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R3325 | QRC121K-102Z | COMP RESISTOR | 1kΩ 1/2W K |
| R3326 | QRC121K-102Z | COMP RESISTOR | 1kΩ 1/2W K |
| R3327 | QRC121K-102Z | COMP RESISTOR | 1kΩ 1/2W K |
| R3331 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J |
| R3332 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J |
| R3333 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J |
| R3334 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J |
| R3335 | NRSA63J-271X | MG RESISTOR | 270Ω 1/16W J |
| R3336 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R3337 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R3338 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R3351 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R3352 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R3353 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R3354 | NRSA63J-561X | MG RESISTOR | 560Ω 1/16W J |
| R3355 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J |
| R3361 | QRC121K-105Z | COMP RESISTOR | 1MΩ 1/2W K |
| R3362 | QRC121K-102Z | COMP RESISTOR | 1kΩ 1/2W K |
| R3363 | QRC121K-474Z | COMP RESISTOR | 470kΩ 1/2W K |
| L3301 | QQL244K-180Z | COIL | 18uH K |
| L3302 | QQL244K-180Z | COIL | 18uH K |
| L3303 | QQL244K-180Z | COIL | 18uH K |
| L3304 | QQL244K-470Z | COIL | 47uH K |
| L3305 | QQL244K-470Z | COIL | 47uH K |
| L3306 | QQL244K-470Z | COIL | 47uH K |
| CN3004 | QJB003-074022 | SIN ID C-B WIRE | |
| CN3005 | WJA0029-002A | E-S ID WIRE | |
| CN300V | QGA2501C5-03Z | CONNECTOR | W-B (1-3) |
| CN30E2 | QUB130-46A6AS | SIN TWIST WIRE | |
| CN30E4 | QUB130-46A6AS | SIN TWIST WIRE | |
| HS3010 | CEHP00N-001QS | HEAT SINK | |
| HS3011 | CEHP00N-001QS | HEAT SINK | |
| HS3012 | CEHP00N-001QS | HEAT SINK | |
| HS3013 | CEHP00N-001QS | HEAT SINK | |
| HS3014 | CEHP00N-001QS | HEAT SINK | |
| K3102 | CE41492-001Z | CHOKE COIL | |
| K3103 | CE41492-001Z | CHOKE COIL | |
| K3104 | CE41492-001Z | CHOKE COIL | |
| K3105 | CE41492-001Z | CHOKE COIL | |
| ⚠SK3001 | CE42670-001 | CRT SOCKET | |

## PIP P.W. BOARD ASS'Y (SGJ-4001A-M2)

REFER TO PARTS LIST IN PAGE 3-10 FOR THIS P.W. BOARD.

## AV SELECTOR P.W. BOARD ASS'Y (SGJ-5503A-M2)

REFER TO PARTS LIST IN PAGE 3-11 FOR THIS P.W. BOARD.

## FRONT CONTROL P.W. BOARD ASS'Y (SGJ-6503A-M2)

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| C6401 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C6402 | QETN1HM-225Z | E CAPACITOR | 2.2uF 50V M |
| C6403 | QETN1HM-225Z | E CAPACITOR | 2.2uF 50V M |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| R6401 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R6402 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J | |
| R6403 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J | |
| R6702 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R6703 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R6704 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J | |
| R6705 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J | |
| R6706 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| CN6006 | QJB003-054010 | SIN ID C-B WIRE | | |
| CN6007 | QJB003-064426 | SIN ID C-B WIRE | | |
| CN600B | QJB003-050806 | SIN ID C-B WIRE | | |
| J6401 | QNN0281-003 | PIN JACK | | V IN |
| J6402 | QNN0281-002 | PIN JACK | | L IN |
| J6403 | QNN0282-001 | PIN JACK | | R IN |
| LC6401 | QQR1199-001 | EMI FILTER | | |
| S6702 | QSW0619-003Z | TACT SWITCH | | MENU |
| S6703 | QSW0619-003Z | TACT SWITCH | | CH- |
| S6704 | QSW0619-003Z | TACT SWITCH | | CH+ |
| S6705 | QSW0619-003Z | TACT SWITCH | | VOL- |
| S6706 | QSW0619-003Z | TACT SWITCH | | VOL+ |

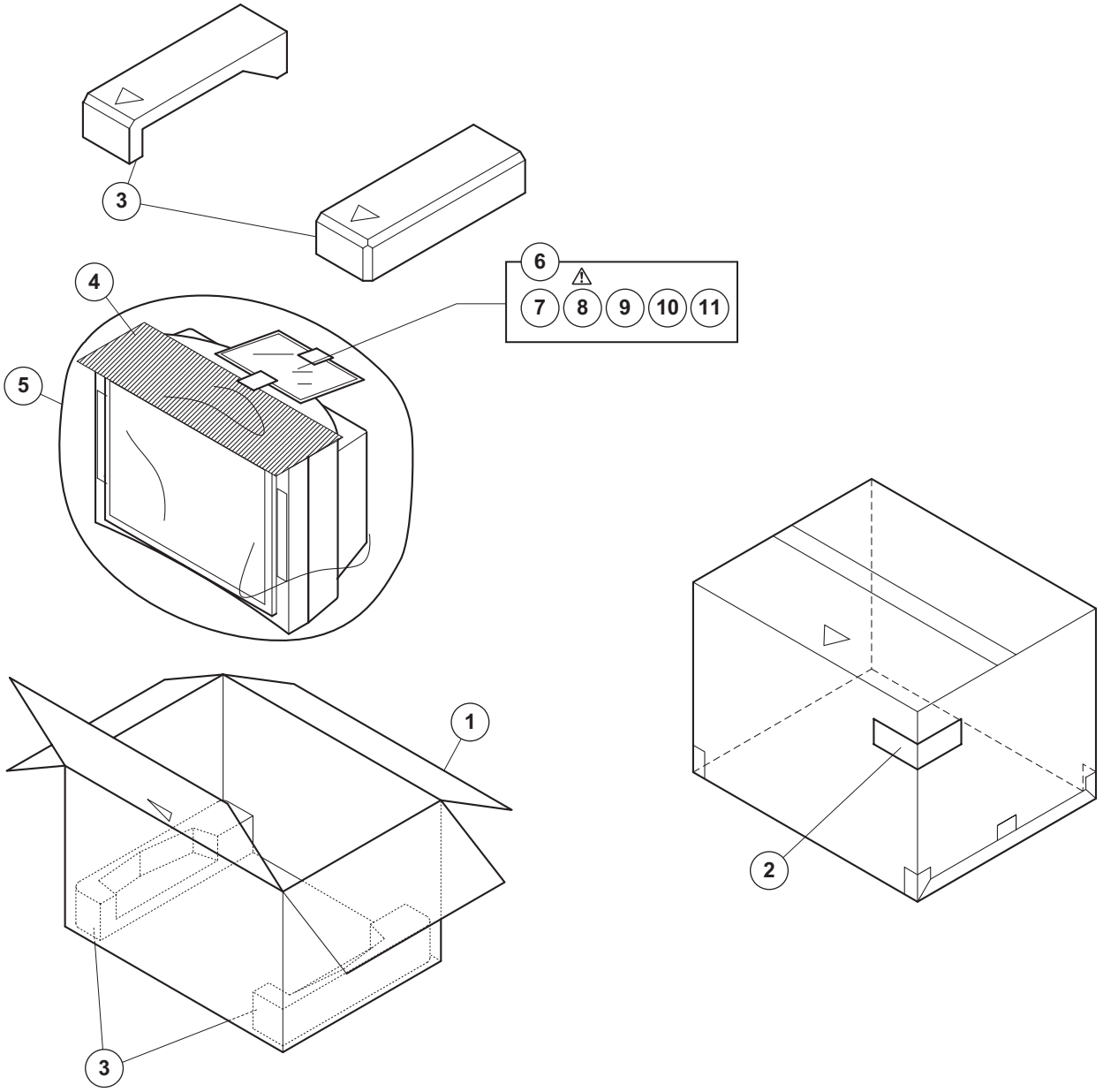
## LED & POWER SW P.W. BOARD ASS'Y (SGJ-7502A-M2)

REFER TO PARTS LIST IN PAGE 3-13 FOR THIS P.W. BOARD.

# REMOTE CONTROL UNIT PARTS LIST (RM-C1250G-1H)

| ⚠ | Ref.No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|---|
| | | UR77EC0603B | BATTERY COVER | | |

# PACKING




# PACKING PARTS LIST

| ⚠ | Ref.No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|---|
| | 1 | LC10181-032A-A | PACKING CASE | | AV-27FA54/ASA,AV-27FA54/AZA |
| | 1 | LC10181-033A-A | PACKING CASE | | AV-32FA54/AYA,AV-32FA54/AZA |
| | 1 | LC10181-034A-A | PACKING CASE | | AV-36FA54/AYA |
| | 2 | CM36616-001-A | CORNER LABEL | | |
| | 3 | LC11575-002B-A | CUSHION ASSY | 4pcs in 1set | AV-27FA54/ASA,AV-27FA54/AZA |
| | 3 | LC11560-002B-A | CUSHION ASSY | 4pcs in 1set | AV-32FA54/AYAAV-32FA54/AZA |
| | 3 | LC11576-002B-A | CUSHION ASSY | 4pcs in 1set | AV-36FA54/AYA |
| | 4 | CP30055-A02-A | TOP COVER | | |
| | 5 | CP30056-A04-A | POLY BAG | | |
| | 6 | QPA02503505 | POLY BAG | 25cm x 35cm | |
| | 7 | RM-C1250G-1H | REMOCON UNIT | | |
| ⚠ | 8 | LCT1339-001A-A | INST BOOK | | |
| | 9 | BT-51028-2Q | REGISTRATION C | | |
| | 10 | BT-52006-2Q | WARRANTY CARD | | |
| | 11 | --------- | DRY BATTERY | R6P/AA(x2) | |

JVC

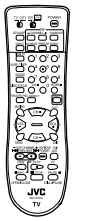
# SCHEMATIC DIAGRAMS

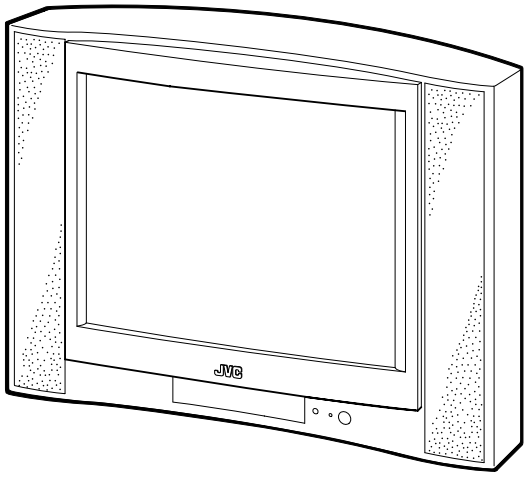
## COLOR TELEVISION

# AV-27FA54/ASA, AV-27FA54/AZA,
# AV-32FA54/AYA, AV-32FA54/AZA,
# AV-36FA54/AYA

**CD-ROM No.SML200307**

| BASIC CHASSIS |
| --- |
| GJ2 |





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**No.52115**
**2003/6**

# AV-27FA54/ASA, AV-27FA54/AZA
# AV-32FA54/AYA, AV-32FA54/AZA, AV-36FA54/AYA
# STANDARD CIRCUIT DIAGRAM

## ■ NOTE ON USING CIRCUIT DIAGRAMS

### 1.SAFETY

**The components identified by the⚠ symbol and shading are critical for safety. For continued safety replace safety ciritical components only with manufactures recommended parts.**

### 2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

(1)Input signal : Colour bar signal

(2)Setting positions of each knob/button and variable resistor : Original setting position when shipped

(3)Internal resistance of tester : DC 20kΩ/V

(4)Oscilloscope sweeping time : H ⇒ 20μs / div
: V ⇒ 5ms / div
: Othters ⇒ Sweeping time is specified

(5)Voltage values : All DC voltage values

∗ Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

### 3.INDICATION OF PARTS SYMBOL [EXAMPLE]

● In the PW board : R1209 → R209

### 4.INDICATIONS ON THE CIRCUIT DIAGRAM

**(1)Resistors**

● Resistance value

No unit : [ Ω ]
K : [ kΩ ]
M : [MΩ ]

● Rated allowable power

No indication : 1/16 [W]
Others : As specified

● Type

No indication : Carbon resistor
OMR : Oxide metal film resistor
MFR : Metal film resistor
MPR : Metal plate resistor
UNFR : Uninflammable resistor
FR : Fusible resistor

∗ Composition resistor 1/2 [W] is specified as 1/2S or Comp.

**(2)Capacitors**

● Capacitance value

1 or higher : [pF]
less than 1 : [μF]

● Withstand voltage

No indication : DC50[V]
Others : DC withstand voltage [V]
AC indicated : AC withstand voltage [V]

∗ Electrolytic Capacitors
47/50[Example]: Capacitance value [μF]/withstand voltage[V]

● Type

No indication : Ceramic capacitor
MM : Metalized mylar capacitor
PP : Polypropylene capacitor
MPP : Metalized polypropylene capacitor
MF : Metalized film capacitor
TF : Thin film capacitor
BP : Bipolar electrolytic capacitor
TAN : Tantalum capacitor

**(3)Coils**

No unit : [μH]
Others : As specified

**(4)Power Supply**

: B1 : B2 (12V)
: 9V : 5V

∗ Respective voltage values are indicated

**(5)Test point**

: Test point : Only test point display

**(6)Connecting method**

: Connector : Wrapping or soldering
: Receptacle

**(7)Ground symbol**

⊥ : LIVE side ground
⏚ : ISOLATED(NEUTRAL) side ground
⏚ : EARTH ground
▽ : DIGITAL ground

### 5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : ( ⊥ ) side GND and the ISOLATED(NEUTRAL) : (⏚) side GND. Therefore, care must be taken for the following points.

(1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. if the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.

(2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus ( oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected, a fuse or any parts will be broken.

◆ **Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.**

**NOTE**

◆ **Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list.**
**When ordering parts, please use the numbers that appear in the Parts List.**



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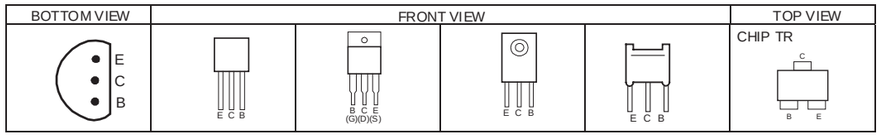
## USING P.W. BOARD

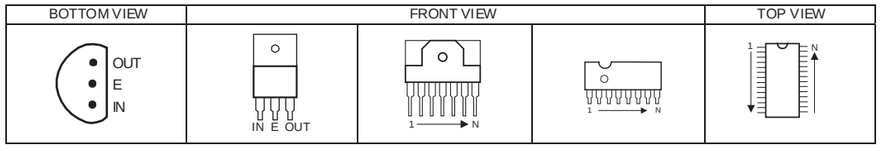
| PWB ASS'Y name | AV-27FA54/ASA | AV-27FA54/AZA | AV-32FA54/AYA | AV-32FA54/AZA | AV-36FA54/AYA |
|---|---|---|---|---|---|
| MAIN P.W. BOARD | SGJ-1513A-M2 | SGJ-1514A-M2 | SGJ-1511A-M2 | SGJ-1515A-M2 | SGJ-1512A-M2 |
| CRT SOCKET P.W. BOARD | SGJ-3502A-M2 | SGJ-3506A-M2 | SGJ-3504A-M2 | SGJ-3503A-M2 | SGJ-3501A-M2 |
| AV SELECTOR P.W. BOARD | SGJ-5503A-M2 | ← | ← | ← | ← |
| FRONT CONTROL P.W. BOARD | SGJ-6501A-M2 | ← | SGJ-6502A-M2 | ← | SGJ-6503A-M2 |
| LED & POWER SW P.W. BOARD | SGJ-7502A-M2 | ← | ← | ← | ← |
| DAF P.W BOARD | - | - | SGJ-2503A-M2 | SGJ-2502A-M2 | SGJ-2501A-M2 |
| PIP P.W BOARD | SGJ-4001A-M2 | ← | ← | ← | ← |

## SEMICONDUCTOR SHAPES

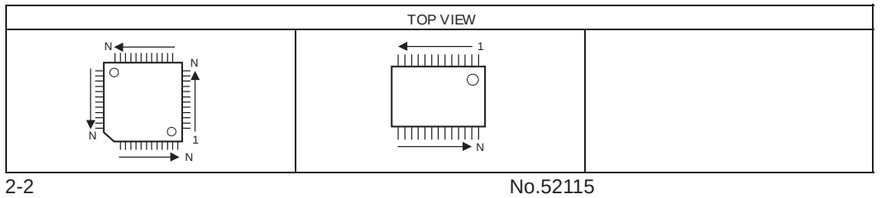
**TRANSISTOR**



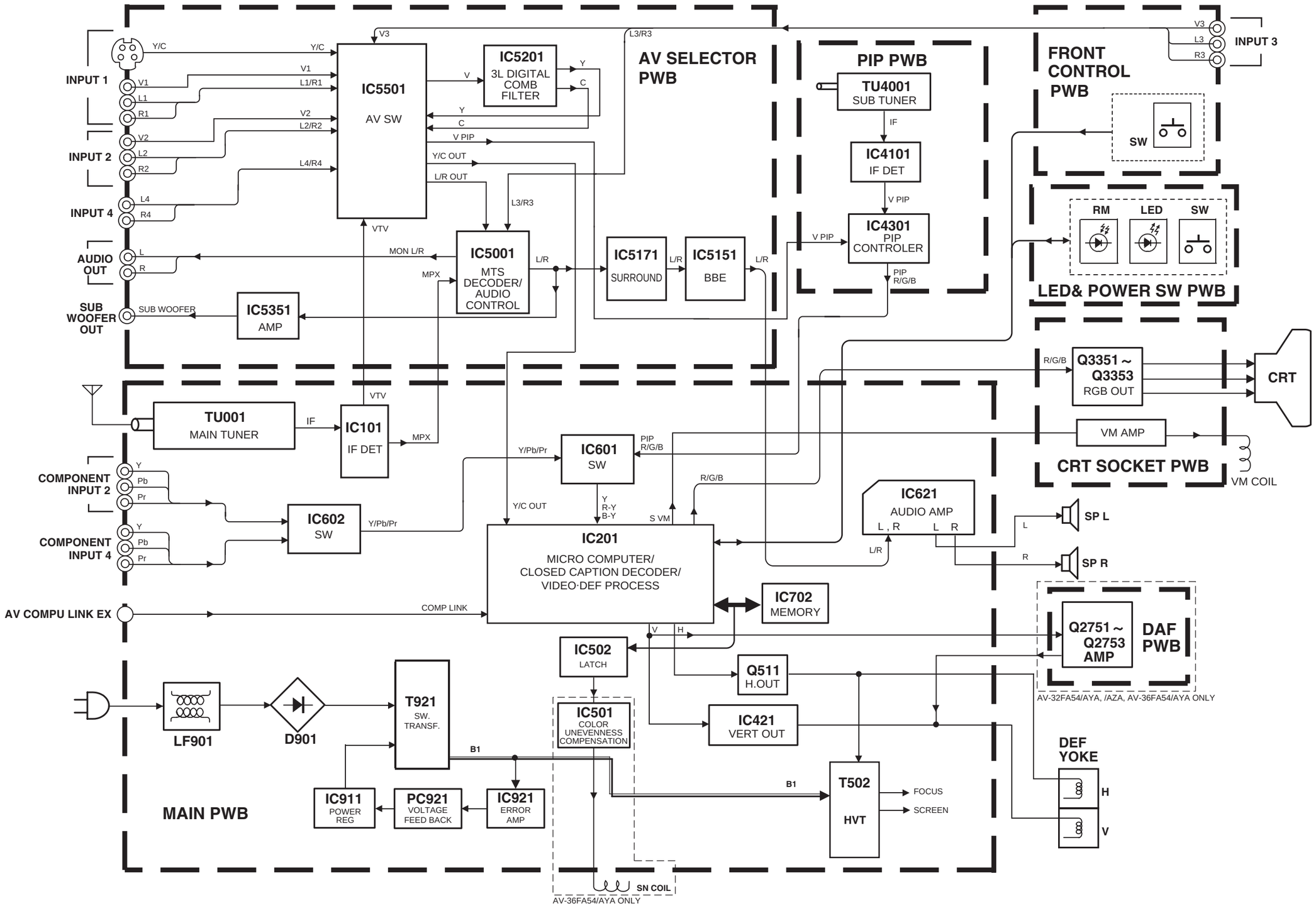

**IC**




**CHIP IC**



# BLOCK DIAGRAM



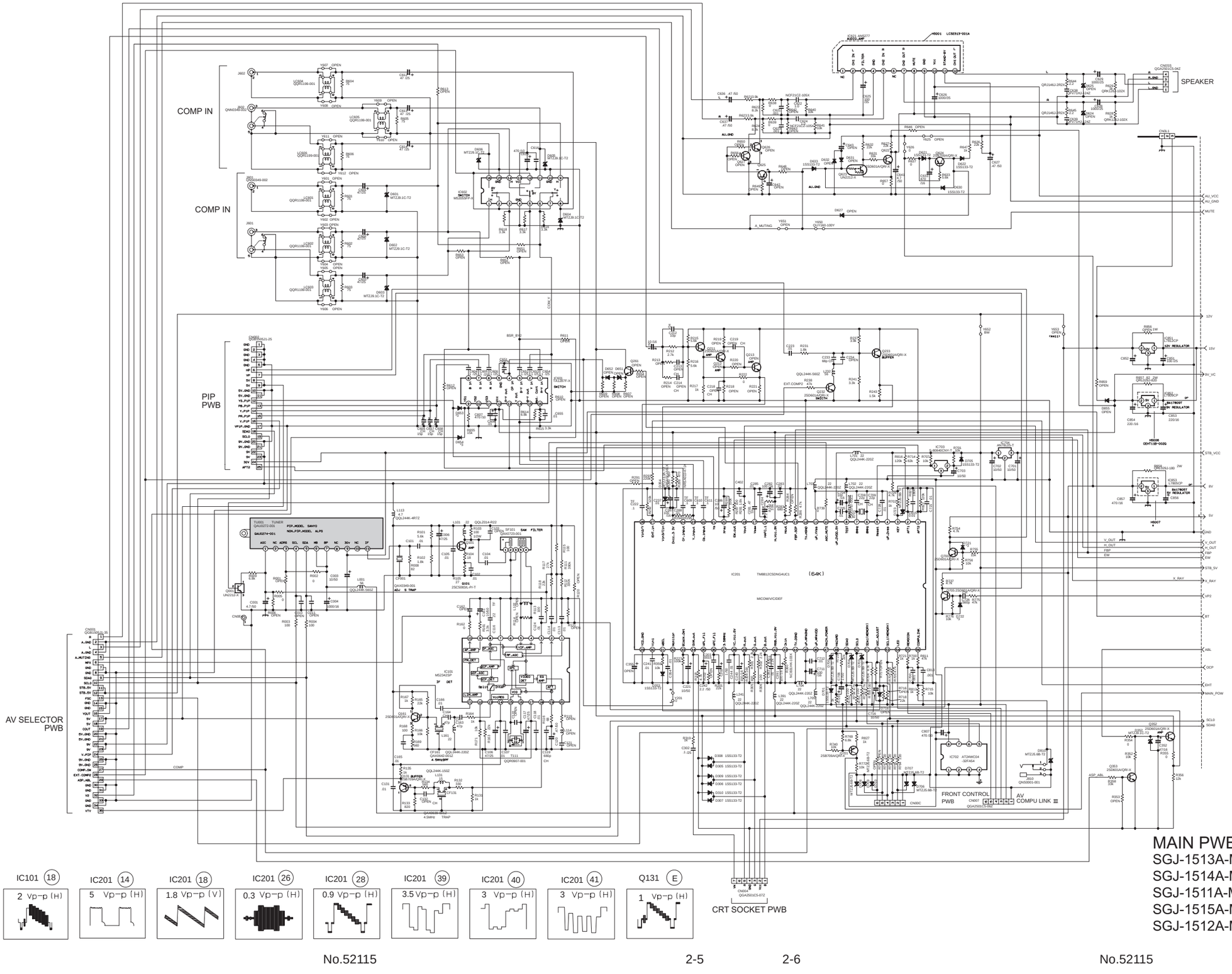
# CIRCUIT DIAGRAMS

## *MAIN PWB CIRCUIT DIAGRAM (1/2) SHEET 1*

| | AV-32FA54AYA SGJ-1511A | AV-36FA54AYA SGJ-1512A | AV-37FA54ASA SGJ-1513A | AV-27FA54AZA SGJ-1514A | AV-32FA54AZA SGJ-1515A |
|---|---|---|---|---|---|
| | QLLC 03428 | QLLC 03431 | QLLC 03435 | QLLC 03440 | QLLC 03443 |
| D604 | MTZJ9.1 | MTZJ9.1 | MTZJ9.1 | MTZJ9.1 | OPEN |
| D605 | MTZJ9.1 | MTZJ9.1 | MTZJ9.1 | MTZJ9.1 | OPEN |
| D606 | MTZJ9.1 | MTZJ9.1 | MTZJ9.1 | MTZJ9.1 | OPEN |
| C616 | .01 | .01 | 0.01 | 0.01 | .01 |
| R855 | OPEN | OPEN | 6.8 | 6.8 | OPEN |
| HS007 | OPEN | OPEN | CEHT11B (J6052) | CEHT11B (J6052) | OPEN |
| C852 | 100/25 | 100/25 | 100/16 | 100/16 | 100/25 |
| C856 | 220/16 | 220/16 | CEHT1CM (J6053) | CEHT1CM (J6053) | 220/16 |

| P/N NO. | VOLTAGE (V) |
|---|---|
| IC101 | |
| 1 | 2.5 |
| 2 | 4.8 |
| 3 | 1.4 |
| 4 | 1.4 |
| 5 | 0 |
| 6 | 0 |
| 7 | 0 |
| 8 | 3.2 |
| 9 | 2.3 |
| 10 | 5.5 |
| 11 | 2.1 |
| 12 | 3.3 |
| 13 | 2.1 |
| 14 | 9 |
| 15 | 3.9 |
| 16 | 3.9 |
| 17 | 4.8 |
| 18 | 2 |
| 19 | 3.4 |
| 20 | 1.5 |
| IC201 | |
| 1 | 2.8 |
| 2 | 2.1 |
| 3 | 4.7 |
| 4 | 0 |
| 5 | 5 |
| 6 | 2.2 |
| 7 | NC |
| 8 | 0 |
| 9 | 5 |
| 10 | 0 |
| 11 | 0 |
| 12 | 0 |
| 13 | 1.1 |
| 14 | 1.9 |
| 15 | 9 |
| 16 | 6.6 |
| 17 | 3.4 |
| 18 | 4.1 |
| 19 | 3.2 |
| 20 | 0 |
| 21 | 0 |
| 22 | 2.1 |
| 23 | 2.2 |
| 24 | 2 |
| 25 | 5.1 |
| 26 | 2.1 |
| 27 | 2 |
| 28 | 2.3 |
| 29 | 0 |
| 30 | 2.1 |
| 31 | 5.9 |
| 32 | 0.1 |
| 33 | 2.5 |
| 34 | 3.8 |
| 35 | 1.6 |
| 36 | 2.5 |
| 37 | 2.8 |
| 38 | 4.7 |
| 39 | 1.8 |
| 40 | 1.9 |
| 41 | 1.9 |
| 42 | 9 |
| 43 | 0 |
| 44 | 0 |
| 45 | 0 |
| 46 | 5 |
| 47 | 0 |
| 48 | 0 |
| 49 | 4.6 |
| 50 | 4.6 |
| 51 | 4.7 |
| 52 | 2.5 |
| 53 | 4.8 |
| 54 | 0 |
| 55 | 4.9 |
| 56 | 0.4 |
| IC601 | |
| 1 | 6.1 |
| 2 | 6.1 |
| 3 | 6.1 |
| 4 | 0 |
| 5 | 0 |
| 6 | 6.1 |
| 7 | 6.1 |
| 8 | 6.1 |
| 9 | 0 |
| 10 | 0 |
| 11 | 0 |
| 12 | 9 |
| 13 | 4.8 |
| 14 | 0 |
| 15 | 4.8 |
| 16 | 2.9 |
| IC602 | |
| 1 | 4.5 |
| 2 | 6.1 |
| 3 | 3.1 |
| 4 | 0 |
| 5 | 3.1 |
| 6 | 3.1 |
| 7 | 6.1 |
| 8 | 4.6 |
| 9 | 4.5 |
| 10 | 0 |
| 11 | 4.5 |
| 12 | 6.1 |
| 13 | 8.9 |
| 14 | 4.5 |
| 15 | 0 |
| 16 | 4.6 |
| IC621 | |
| 1 | 1.2 |
| 2 | 1.3 |

| P/N NO. | VOLTAGE (V) |
|---|---|
| 3 | 0 |
| 4 | NC |
| 5 | NC |
| 6 | 11 |
| 7 | 22.2 |
| 8 | 22.3 |
| 9 | 1.8 |
| 10 | 0 |
| 11 | 10.1 |
| 12 | 0 |
| 13 | 10 |
| IC702 | |
| 1 | 0 |
| 2 | 0 |
| 3 | 0 |
| 4 | 0 |
| 5 | 4.7 |
| 6 | 4.8 |
| 7 | 0 |
| 8 | 5 |
| IC703 | |
| 1 | 5 |
| 2 | 5 |
| 3 | 0 |
| IC704 | |
| 1 | 5 |
| 2 | 11.5 |
| 3 | 0 |
| IC851 | |
| 1 | 13.7 |
| 2 | 12 |
| 3 | 0 |
| IC852 | |
| 1 | 13.7 |
| 2 | 8.9 |
| 3 | 0 |
| IC853 | |
| 1 | 9.1 |
| 2 | 4.8 |
| 3 | 0 |
| TU001 | |
| 1 | 1 |
| 2 | NC |
| 3 | 4.7 |
| 4 | 3.9 |
| 5 | 4.2 |
| 6 | 4.7 |
| 7 | 4.7 |
| 8 | NC |
| 9 | 31.3 |
| 10 | NC |
| 11 | 0 |
| Q101 | |
| E | 1.8 |
| C | 9 |
| B | 1 |
| Q131 | |
| E | 1.6 |
| C | 0 |
| B | 0.9 |
| Q161 | |
| E | 2 |
| C | 5.6 |
| B | 2.6 |
| Q211 | |
| E | 3.8 |
| C | 9 |
| B | 4.5 |
| Q232 | |
| E | 0 |
| C | 0 |
| B | 0.5 |
| Q233 | |
| E | 3.4 |
| C | 9 |
| B | 4 |
| Q352 | |
| E | 8.3 |
| C | 9 |
| B | 8.9 |
| Q353 | |
| E | 0 |
| C | 6.3 |
| B | 0.1 |
| Q622 | |
| E | 0 |
| C | 0 |
| B | 0.6 |
| Q623 | |
| E | 0 |
| C | 13.7 |
| B | 0.1 |
| Q624 | |
| E | 4.8 |
| C | -0.5 |
| B | 0 |
| Q700 | |
| E | 0 |
| C | 3.8 |
| B | 0.2 |
| Q701 | |
| E | 3.6 |
| C | 2.4 |
| B | 3 |
| Q705 | |
| E | 0 |
| C | 4.6 |
| B | 0 |







## MAIN PWB ASS'Y

SGJ-1513A-M2: AV-27FA54/ASA
SGJ-1514A-M2: AV-27FA54/AZA
SGJ-1511A-M2: AV-32FA54/AYA
SGJ-1515A-M2: AV-32FA54/AZA
SGJ-1512A-M2: AV-36FA54/AYA

# *MAIN PWB CIRCUIT DIAGRAM (2/2) SHEET 2*

IC421 (5) 50 Vp−p (V)

IC421 (3) (7) 30 Vp−p (V)

Q501 (B) 0.9 Vp−p (H)

Q501 (C) 140 Vp−p (H)

Q511 (B) 2 Vp−p (H)

Q511 (C) 1200Vp−p (H)

T502 (2) 85 Vp−p (H)

T502 (4) 35 Vp−p (H)

T502 (6) 250 Vp−p (H)

T502 (7) 0.9 Vp−p (H)

T502 (8) 80 Vp−p (H)

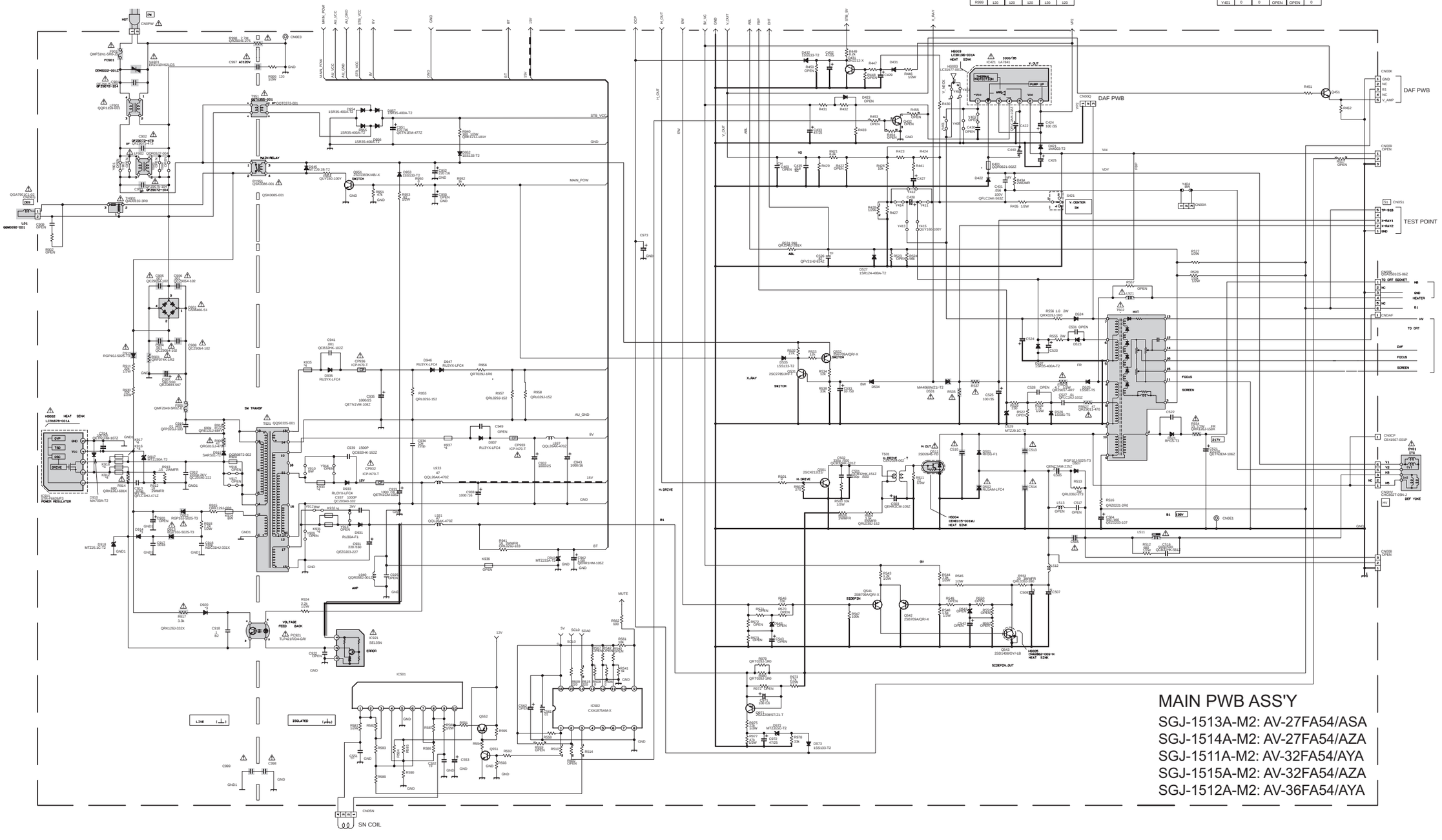
| | AV-30F/AS43YA | AV-30F/AS43YA | AV-27F/AS43YA | AV-30F/AS43YA |
|---|---|---|---|---|
| | SGJ-1511A | SGJ-1512A | SGJ-1513A | SGJ-1514A |
| | QLC-0340 | QLC-0341 | QLC-0342 | QLC-0343 |
| C551 | OPEN | 47 | OPEN | OPEN |
| C552 | OPEN | 47 | OPEN | OPEN |
| C553 | OPEN | 470/25 | OPEN | OPEN |
| C931 | OPEN | QCH1A101 | OPEN | OPEN |
| Q552 | OPEN | 2SB856F | OPEN | OPEN |
| IC501 | OPEN | LA6515 | OPEN | OPEN |
| C515 | QCZ3105-102 | QCZ3105-102 | QCZ3105-102 | QCZ3105-102 |
| L511 | QQL2R2M-470Z | QQL2R2M-470Z | QQL2R2M-470Z | QQL2R2M-470Z |
| L512 | QQL2R2M-470Z | QQL2R2M-470Z | QQL2R2M-470Z | QQL2R2M-470Z |
| R447 | 100k | 100k | 100k | 82k |
| R427 | QRG1J223-683 | QRG1J223-683 | QRG1J223-683 | QRG1J223-683 |
| R428 | OPEN | OPEN | OPEN | 12 |
| T502 | QQT0372-001 | QQT0372-001 | QQT0372-001 | QQT0372-001 |
| L521 | QQL2R2M-470Z | QQL2R2M-470Z | QQL2R2M-470Z | QQL2R2M-470Z |
| C510 | QCZ3105-102 | QCZ3105-102 | QCZ3105-102 | QCZ3105-102 |
| C513 | QCZ3105-102 | QCZ3105-102 | QCZ3105-102 | QCZ3105-102 |
| C514 | QFZ1352-2G2 | QFZ1352-2G2 | QFZ1352-2G2 | QFZ1352-2G2 |
| C973 | QCS1H101J | 100 | QCS1H101J | QCS1H101J |
| R527 | 120k | 120k | 120k | 150k |
| R545 | 8.2k | 8.2k | 8.2k | 15k |
| C997 | QCZ3105-102 | QCZ3105-102 | QCZ3105-102 | QCZ3105-102 |
| C998 | QCZ3105-102 | QCZ3105-102 | QCZ3105-102 | QCZ3105-102 |
| C999 | 101 | 101 | 101 | 101 |
| R999 | 120 | 120 | 120 | 120 |

| | AV-30F/AS43YA | AV-30F/AS43YA | AV-30F/AS43YA | AV-30F/AS43YA |
|---|---|---|---|---|
| | SGJ-1511A | SGJ-1512A | SGJ-1513A | SGJ-1514A |
| | QLC-0340 | QLC-0341 | QLC-0342 | QLC-0343 |
| R581 | 10 | 10 | OPEN | OPEN |
| R582 | 120k | 120k | OPEN | OPEN |
| R583 | 68k | 68k | OPEN | OPEN |
| R584 | 56K | 6.2k | OPEN | OPEN |
| R585 | 4.7k | 4.7k | OPEN | OPEN |
| R586 | 150k | 150k | OPEN | OPEN |
| R587 | 100k | 100k | OPEN | OPEN |
| R588 | 10 | 10 | OPEN | OPEN |
| R589 | 5.6k | 5.6k | OPEN | OPEN |
| R590 | 6.8k | 6.8k | OPEN | OPEN |
| R591 | QRG1J683-472 | QRG1J683-472 | OPEN | OPEN |
| R592 | 18k | 18k | OPEN | OPEN |
| R593 | 100k | 100k | OPEN | OPEN |
| R594 | 2.7k | 2.7k | OPEN | OPEN |
| R595 | 10k | 10k | OPEN | OPEN |
| R510 | OPEN | 1k | OPEN | OPEN |
| R558 | OPEN | 10k | OPEN | OPEN |
| R514 | OPEN | 1k | OPEN | OPEN |

| | AV-30F/AS43YA | AV-30F/AS43YA | AV-27F/AS43YA | AV-30F/AS43YA |
|---|---|---|---|---|
| | SGJ-1511A | SGJ-1512A | SGJ-1513A | SGJ-1514A |
| | QLC-0340 | QLC-0341 | QLC-0342 | QLC-0343 |
| C425 | OPEN | OPEN | 470/35 | 470/35 |
| C427 | OPEN | OPEN | 2.2 | 2.2 |
| C428 | OPEN | OPEN | OPEN | OPEN |
| C429 | 1 | OPEN | 1 | 1 |
| C440 | QCZ3105-102 | QCZ3105-102 | QCZ3105-102 | QCZ3105-102 |
| D422 | OPEN | OPEN | RFU4275 | RFU4275 |
| D431 | OPEN | OPEN | OPEN | OPEN |
| Q451 | QQT0372-001 | QQT0372-001 | QQT0372-001 | QQT0372-001 |
| R423 | OPEN | OPEN | 39k | 39k |
| R424 | OPEN | OPEN | 39k | 39k |
| R426 | 10k | 10k | 18k | 18k |
| R429 | OPEN | OPEN | 2.7k | 2.7k |
| R430 | OPEN | OPEN | 0 | 0 |
| R431 | 10k | 10k | 1.5k | 1.5k |
| R432 | 0 | 0 | 100 | 100 |
| R433 | 3.3k | 3.3k | 680 | 680 |
| R434 | 220 | 220 | 180 | 180 |
| R435 | OPEN | OPEN | 1k | 1k |
| R441 | OPEN | OPEN | 0 | 0 |
| R446 | 2.7k | 2.7k | OPEN | OPEN |
| R451 | 100 | 100 | OPEN | 100 |
| R452 | 10k | 10k | OPEN | 10k |
| S421 | OPEN | OPEN | QSL-6432 | OPEN |
| V-401 | 0 | 0 | OPEN | OPEN |

| | AV-30F/AS43YA | AV-30F/AS43YA | AV-27F/AS43YA | AV-30F/AS43YA |
|---|---|---|---|---|
| | SGJ-1511A | SGJ-1512A | SGJ-1513A | SGJ-1514A |
| | QLC-0340 | QLC-0341 | QLC-0342 | QLC-0343 |
| Y405 | OPEN | 10 | 0 | OPEN |
| Y411 | OPEN | 0 | 0 | OPEN |
| Y412 | 0 | 0 | OPEN | OPEN |
| Y413 | 0 | 0 | OPEN | OPEN |
| Y414 | OPEN | 0 | 0 | OPEN |
| Y451 | OPEN | BW | BW | OPEN |
| Y452 | BW | OPEN | OPEN | BW |
| C507 | QCZ3105-102 | QCZ3105-102 | QCZ3105-102 | QCZ3105-102 |
| C508 | OPEN | QCZ3105-102 | QCZ3105-102 | OPEN |
| C523 | 1000/25 | 1000/25 | QETN1VM-105Z | 1000/25 |
| C524 | 1000/25 | 1000/25 | OPEN | OPEN |
| D523 | E1JZ-T3 | E1JZ-T3 | RGP10J-T3 | E1JZ-T3 |
| D524 | E1JZ-T3 | E1JZ-T3 | OPEN | E1JZ-T3 |
| R505 | QRG1J683-472 | QRG1J683-472 | QRG1J683-472 | QRG1J683-472 |
| R537 | QRX2251-2R2 | QRX2251-2R2 | QRX2251-2R2 | QRX2251-2R2 |
| R555 | QRX2251-2R2 | QRX2251-2R2 | QRX2251-2R2 | QRX2251-2R2 |
| R535 | QRX2251-2R2 | QRX2251-2R2 | QRX2251-2R2 | QRX2251-2R2 |

| PIN NO. | VOLTAGE (V) |
|---|---|
| IC421 | |
| 1 | 0 |
| 2 | 15.2 |
| 3 | 30.3 |
| 4 | 2.6 |
| 5 | 2.6 |
| 6 | 29.3 |
| 7 | 3.3 |
| IC501 | |
| 1 | 1.4 |
| 2 | 0 |
| 3 | 4.5 |
| 4 | 6.9 |
| 5 | 0 |
| 6 | 6.6 |
| 7 | 3.6 |
| 8 | 0 |
| 9 | 1.4 |
| 10 | 0.9 |
| IC502 | |
| 1 | 0 |
| 2 | 0 |
| 3 | 2.5 |
| 4 | NC |
| 5 | NC |
| 6 | NC |
| 7 | NC |
| 8 | 0 |
| 9 | 0 |
| 10 | NC |
| 11 | 0 |
| 12 | 0 |
| 13 | 0 |
| 14 | 4.2 |
| 15 | 3.9 |
| 16 | 5 |
| IC911 | |
| 1 | 1.5 |
| 2 | 0 |
| 3 | 152.2 |
| 4 | 17.8 |
| 5 | 0 |
| IC921 | |
| 1 | 135.2 |
| 2 | 11.5 |
| 3 | 0 |
| PC921 | |
| 1 | 12.5 |
| 2 | 11.5 |
| 3 | 1.5 |
| 4 | 16.1 |
| Q431 | |
| E | 0 |
| C | 0 |
| B | 2 |
| Q501 | |
| E | 0 |
| C | 75.1 |
| B | 0.3 |
| Q511 | |
| E | 0 |
| C | 130 |
| B | -0.1 |
| Q531 | |
| E | 0 |
| C | 10 |
| B | 0 |
| Q532 | |
| E | 10 |
| C | 0 |
| B | 0 |
| Q552 | |
| E | 11.9 |
| C | 0.9 |
| B | 11.8 |



## *PIP PWB CIRCUIT DIAGRAM SHEET 3*

| PIN NO. | VOLTAGE (V) |
|---|---|
| TU4001 | |
| 1 | 4 |
| 2 | - |
| 3 | 2.1 |
| 4 | 3.6 |
| 5 | 4.2 |
| 6 | 4.6 |
| 7 | 4.6 |
| 8 | - |
| 9 | 30.8 |
| 10 | - |
| 11 | 0 |
| IC4101 | |
| 1 | 2.4 |
| 2 | 4.6 |
| 3 | 4 |
| 4 | 1.4 |
| 5 | 1.4 |
| 6 | 0 |
| 7 | 0 |
| 8 | 3.5 |
| 9 | 1.9 |
| 10 | - |
| 11 | 2.1 |
| 12 | 3.3 |
| 13 | - |
| 14 | 9 |
| 15 | 3.9 |
| 16 | 3.9 |
| 17 | 4.8 |
| 18 | 2.8 |
| 19 | 3.5 |
| 20 | 1 |
| IC4301 | |
| 1 | 1.6 |
| 2 | 1.6 |
| 3 | 1 |
| 4 | 0.1 |
| 5 | 1.9 |
| 6 | 3.8 |
| 7 | 4.8 |
| 8 | 0 |
| 9 | 0 |
| 10 | 0 |
| 11 | 0.5 |
| 12 | 0.5 |
| 13 | 0.5 |
| 14 | 0 |
| 15 | 0 |
| 16 | 0.5 |
| 17 | 0.5 |
| 18 | 0.5 |
| 19 | 4.8 |
| 20 | 0 |
| 21 | 4.8 |
| 22 | 4.8 |
| 23 | 0 |
| 24 | 0 |
| 25 | 2.1 |
| 26 | 3.7 |
| 27 | 4.1 |
| 28 | 1.8 |
| Q4331 | |
| E | 1.2 |
| C | 0 |
| B | 0.5 |
| Q4332 | |
| E | 1.2 |
| C | 0 |
| B | 0.5 |
| Q4333 | |
| E | 1.2 |
| C | 0 |
| B | 0.5 |

NOTE

*1 : 2SB709A/QR/-X
*2 : 2SD601A/QR/-X
*3 : DTA124EKA-X
*4 : DTC124EKA-X
*5 : 1SS133-T2
*6 : MTZJ9.1C-T2
*7 : MTZJ5.6B-T2
*8 : DTC323TK-X
BW : BUS WIRE (0 Ω)
OPT : NON MOUNT (OPEN)
0 : CHIP BUS WIRE (0 Ω)

# PIP PWB ASS'Y
## SGJ-4001A-M2

NOTES:UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μF.

ELECTROLYTIC
CERAMIC
MYLER
NON POLAR

## *AV SELECTOR PWB CIRCUIT DIAGRAM SHEET 4*

Video1

Video2

Video3

Video4

Audio Out

SubWoofer Out

IC5501 TA1218AN AV SW IC

IC5201 TC90448AP 3ch Digi Comb IC

IC5001 CXA2134Q-X MTS TONE/VOL

IC5151 NJM2150AD BBE IC

IC5701 M62320FP-X

IC5171 NJM2701M-X SURROUND

IC5201 (4) 0.9 Vp-p (H)

Q5252 (C) 1.8 Vp-p (H)

Q5263 (C) 1 Vp-p (H)

IC5501 (10) 1 Vp-p (H)

# AV SELECTOR PWB ASS'Y
# SGJ-5503A-M2

| PIN NO. | VOLTAGE (V) |
|---|---|
| IC5001 | |
| 1 | 4.1 |
| 2 | 4.1 |
| 3 | 4.1 |
| 4 | 4.1 |
| 5 | 4.1 |
| 6 | 3.8 |
| 7 | 0 |
| 8 | 4.1 |
| 9 | 3.9 |
| 10 | 4.1 |
| 11 | 4 |
| 12 | 4.5 |
| 13 | 4.1 |
| 14 | 1.2 |
| 15 | 1.2 |
| 16 | NC |
| 17 | 0 |
| 18 | 3 |
| 19 | 9 |
| 20 | NC |
| 21 | 4.1 |
| 22 | 4 |
| 23 | 4.1 |
| 24 | 3.8 |
| 25 | 4.1 |
| 26 | 4 |
| 27 | 4 |
| 28 | 2 |
| 29 | 4 |
| 30 | 4 |
| 31 | 2 |
| 32 | 4 |
| 33 | 4 |
| 34 | 4 |
| 35 | 0 |
| 36 | 4 |
| 37 | 4 |
| 38 | 4.1 |
| 39 | 4 |
| 40 | 4.1 |
| 41 | 4.1 |
| 42 | 0 |
| 43 | 4 |
| 44 | 4.1 |
| 45 | 4.1 |
| 46 | 0 |
| 47 | 4.1 |
| 48 | 4 |
| IC5151 | |
| 1 | 4.5 |
| 2 | 4.5 |
| 3 | 4.5 |
| 4 | 4.5 |
| 5 | 4.5 |
| 6 | 4.5 |
| 7 | 4.5 |
| 8 | 9 |
| 9 | 9 |
| 10 | 0.1 |
| 11 | 0 |
| 12 | 9 |
| 13 | 4.5 |
| 14 | 4.5 |
| 15 | 4.4 |
| 16 | 4.5 |
| 17 | 4.5 |
| 18 | 4.5 |
| 19 | 4.5 |
| 20 | 4.5 |
| IC5171 | |
| 1 | 4.4 |
| 2 | 4.4 |
| 3 | 4.4 |
| 4 | 4.4 |
| 5 | 4.4 |
| 6 | 8.8 |
| 7 | 0 |
| 8 | 0 |
| 9 | 0 |
| 10 | 4.4 |
| 11 | 4.4 |
| 12 | 4.4 |
| 13 | 4.4 |
| 14 | 4.4 |
| IC5201 | |
| 1 | 4.8 |
| 2 | 1.3 |
| 3 | 3 |
| 4 | 2.3 |
| 5 | 1.4 |
| 6 | 4.8 |
| 7 | 0 |
| 8 | 4.8 |
| 9 | 4.2 |
| 10 | 3.6 |
| 11 | 0 |
| 12 | 0 |
| 13 | 2.4 |
| 14 | 1.6 |
| 15 | 4.8 |
| 16 | 0 |
| 17 | 2.3 |
| 18 | 3 |
| 19 | 1.7 |
| 20 | 2.3 |
| IC5351 | |
| 1 | 4.4 |
| 2 | 4.4 |
| 3 | 4.4 |
| 4 | 0 |
| 5 | 4.4 |
| 6 | 4.4 |
| 7 | 4.4 |
| 8 | 8.8 |
| IC5501 | |
| 1 | NC |
| 2 | NC |
| 3 | NC |
| 4 | NC |
| 5 | 5.2 |
| 6 | 5.2 |
| 7 | 5.2 |
| 8 | 5.2 |
| 9 | 5.2 |
| 10 | 5.1 |
| 11 | 5.2 |
| 12 | 5.1 |
| 13 | 5.2 |
| 14 | 1.7 |
| 15 | 5.2 |
| 16 | 5.2 |
| 17 | 5.2 |
| 18 | 1.7 |
| 19 | 4.2 |
| 20 | 3.3 |
| 21 | 0.1 |
| 22 | 7.5 |
| 23 | 0 |
| 24 | 3.7 |
| 25 | 4.2 |
| 26 | NC |
| 27 | 0 |
| 28 | 5.2 |
| 29 | 5.2 |
| 30 | 5.1 |
| 31 | 5.2 |
| 32 | 5.1 |
| 33 | 9 |
| 34 | 3.7 |
| 35 | 3.9 |
| 36 | 3.7 |
| 37 | 3.9 |
| 38 | 4.4 |
| 39 | NC |
| 40 | NC |
| 41 | 0.1 |
| 42 | 4.4 |
| IC5701 | |
| 1 | NC |
| 2 | 3.8 |
| 3 | 4 |
| 4 | 2.8 |
| 5 | 0 |
| 6 | 0 |
| 7 | NC |
| 8 | 0 |
| 9 | NC |
| 10 | NC |
| 11 | NC |
| 12 | NC |
| 13 | 5 |
| 14 | 5 |
| 15 | 5 |
| 16 | 5 |
| Q5001 | |
| E | 4.8 |
| C | 0 |
| B | 4.2 |
| Q5002 | |
| E | 4.8 |
| C | 0 |
| B | 4.2 |
| Q5211 | |
| E | 6 |
| C | 9 |
| B | 6.7 |
| Q5212 | |
| E | 5.4 |
| C | 9 |
| B | 6 |
| Q5251 | |
| E | 2.3 |
| C | 8.4 |
| B | 2.9 |
| Q5252 | |
| E | 9 |
| C | 3.7 |
| B | 8.4 |
| Q5253 | |
| E | 2.9 |
| C | 9 |
| B | 2.3 |
| Q5261 | |
| E | 2.9 |
| C | 9 |
| B | 2.3 |
| Q5262 | |
| E | 2.3 |
| C | 8.4 |
| B | 2.9 |
| Q5263 | |
| E | 9 |
| C | 3.7 |
| B | 8.4 |
| Q5384 | |
| E | 0 |
| C | 0 |
| B | 0.3 |
| Q5385 | |
| E | 0 |
| C | 0 |
| B | -0.3 |
| Q5388 | |
| E | 0 |
| C | 0 |
| B | -0.3 |
| Q5387 | |
| E | 0 |
| C | 0 |
| B | -0.3 |
| Q5399 | |
| E | 0.1 |
| C | -0.2 |
| B | 0 |
| Q5351 | |
| E | 0.1 |
| C | -0.3 |
| B | 0 |
| Q5352 | |
| E | 0 |
| C | 0 |
| B | -0.3 |

NOTE
*1 : 2SD601A/GR/-X
*2 : 2SB709A/GR/-X
*6 : MTZJ9.1C-T2
*8 : UN2226-X

NOTES:UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μF.
ELECTROLYTIC
CERAMIC
MYLER
NON POLAR

MAIN PWB

## CRT SOCKET PWB CIRCUIT DIAGRAM SHEET 5

| PIN NO. | VOLTAGE (V) |
|---|---|
| Q3109 | |
| E | 1.8 |
| C | 11.3 |
| B | 2.4 |
| Q3103 | |
| E | 12 |
| C | 4.5 |
| B | 11.3 |
| Q3105 | |
| E | 4.6 |
| C | 12 |
| B | 5.2 |
| Q3151 | |
| E | 4.6 |
| C | 12 |
| B | 4.9 |
| Q3106 | |
| E | 4.6 |
| C | 0 |
| B | 44 |
| Q3152 | |
| E | 4.6 |
| C | 0 |
| B | 6.9 |
| Q3107 | |
| E | 124.8 |
| C | 64.3 |
| B | 124.2 |
| Q3108 | |
| E | 2.5 |
| C | 64.3 |
| B | 3.1 |
| Q3301 | |
| E | 1.3 |
| C | 11.5 |
| B | 1.9 |
| Q3304 | |
| E | 11.5 |
| C | 161 |
| B | 12 |
| Q3302 | |
| E | 1.3 |
| C | 11.5 |
| B | 1.9 |
| Q3305 | |
| E | 11.5 |
| C | 160.6 |
| B | 12 |
| Q3303 | |
| E | 1.4 |
| C | 11.5 |
| B | 2 |
| Q3306 | |
| E | 11.5 |
| C | 159.7 |
| B | 12 |
| Q3351 | |
| E | 11.5 |
| C | 2 |
| B | 12 |

CRT

* DIFFERENCE LIST

| | AV-27FA54 | AV-32FA54 | AV-36FA54 |
|---|---|---|---|
| S | A68GCP893X001 | | |
| Y | | A80AJZ90X03 | A90AJZ90X02 |
| Z | A68GCU754X62N | A80ERF042X17 | |

* DIFFERENCE LIST

| | SGJ-3501A SGJ-3504A | SGJ-3502A | SGJ-3506A |
|---|---|---|---|
| C3323 | 470/16 | 100/16 | 100/16 |
| R3351 | 1k | 1k | 2.2k |
| R3352 | 1k | 1k | 2.2k |
| R3353 | 1k | 1k | 2.2k |
| R3354 | 560 | 1k | 1k |
| C3351 | 330/16 | 100/16 | 100/16 |
| C3361 | 1/250 | OPEN | OPEN |
| R3361 | QRC121K-105Z | OPEN | OPEN |
| R3362 | QRC121K-102Z | BW | BW |
| D3361 | RM2C-LFA1 | BW | BW |
| R3335 | 270 | 270 | 270 |
| R3331 | 2.7k | 2.7k | 2.7k |
| R3332 | 2.7k | 2.7k | 2.7k |
| R3333 | 2.7k | 2.7k | 2.7k |

Q3304 (C): 120 Vp-p (H)

Q3305 (C): 120 Vp-p (H)

Q3306 (C): 140 Vp-p (H)

## CRT SOCKET PWB ASS'Y

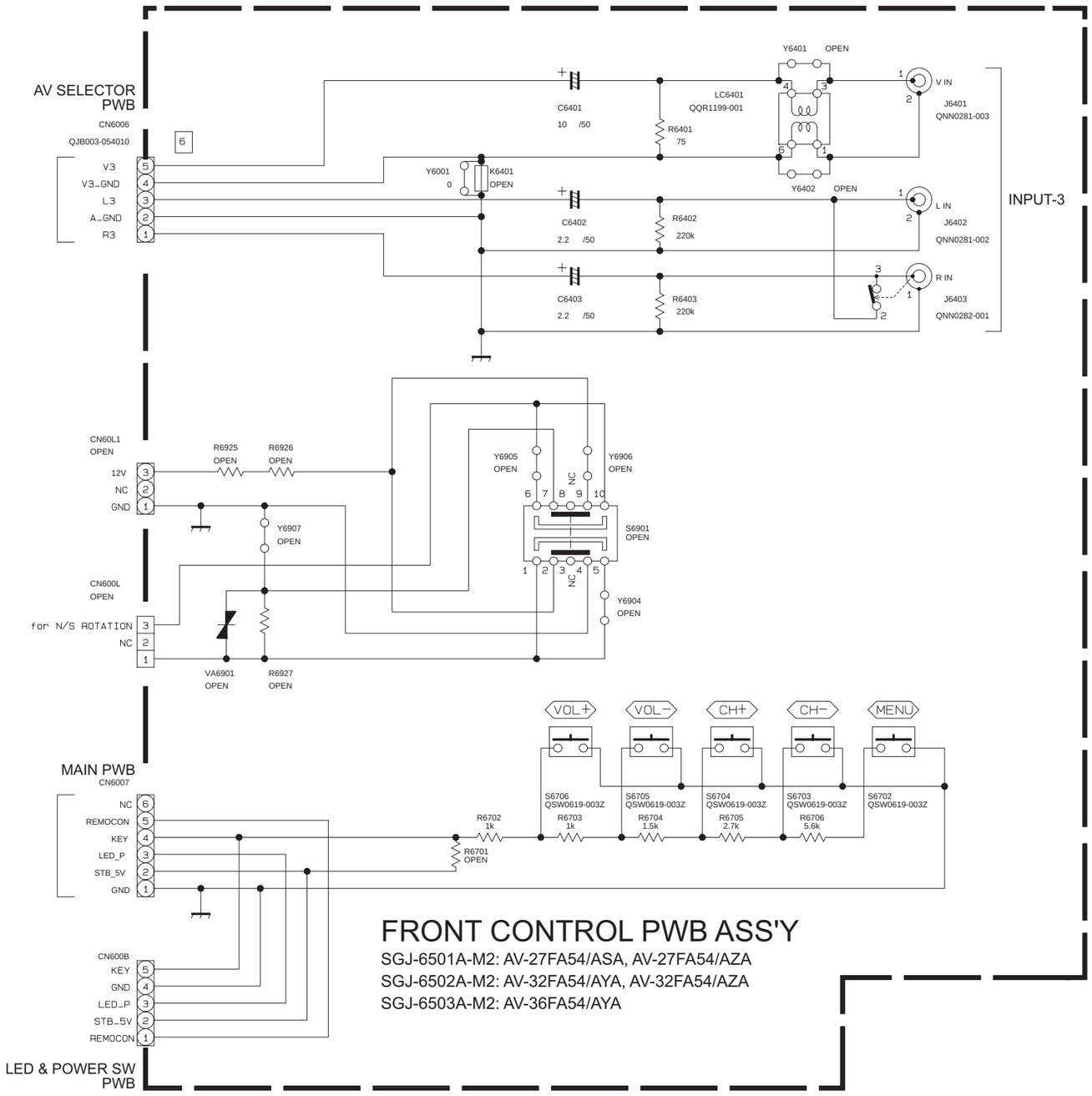
SGJ-3502A-M2: AV-27FA54/ASA
SGJ-3506A-M2: AV-27FA54/AZA
SGJ-3504A-M2: AV-32FA54/AYA
SGJ-3503A-M2: AV-32FA54/AZA
SGJ-3501A-M2: AV-36FA54/AYA

NOTE

| | | |
|---|---|---|
| BW | : | BUS WIRE (0Ω) |
| X | : | NON MOUNT(OPEN) |
| *1 | : | 2SC1740S/QR/-T |
| *2 | : | 2SA933AS/QR/-T |
| *3 | : | 1SS133-T2 |

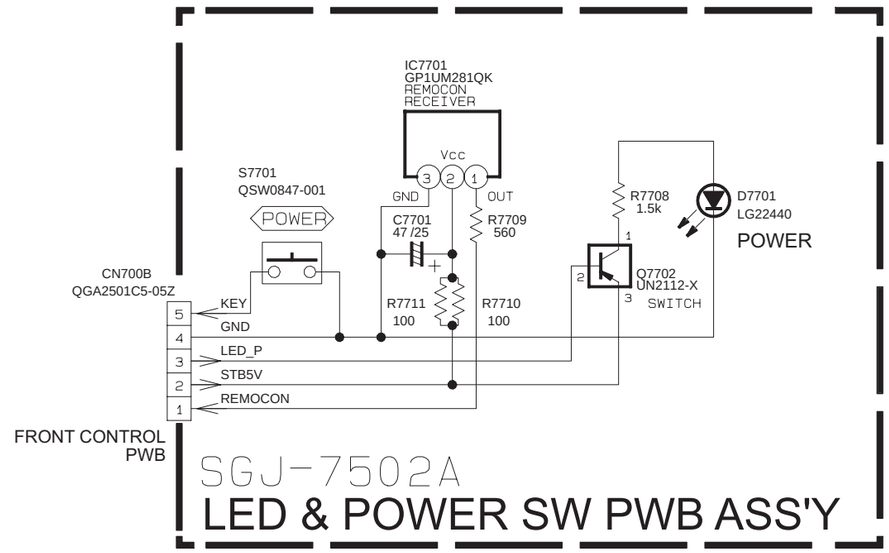
NOTES:UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μF.

ELECTROLYTIC
CERAMIC
MYLER
NON POLAR





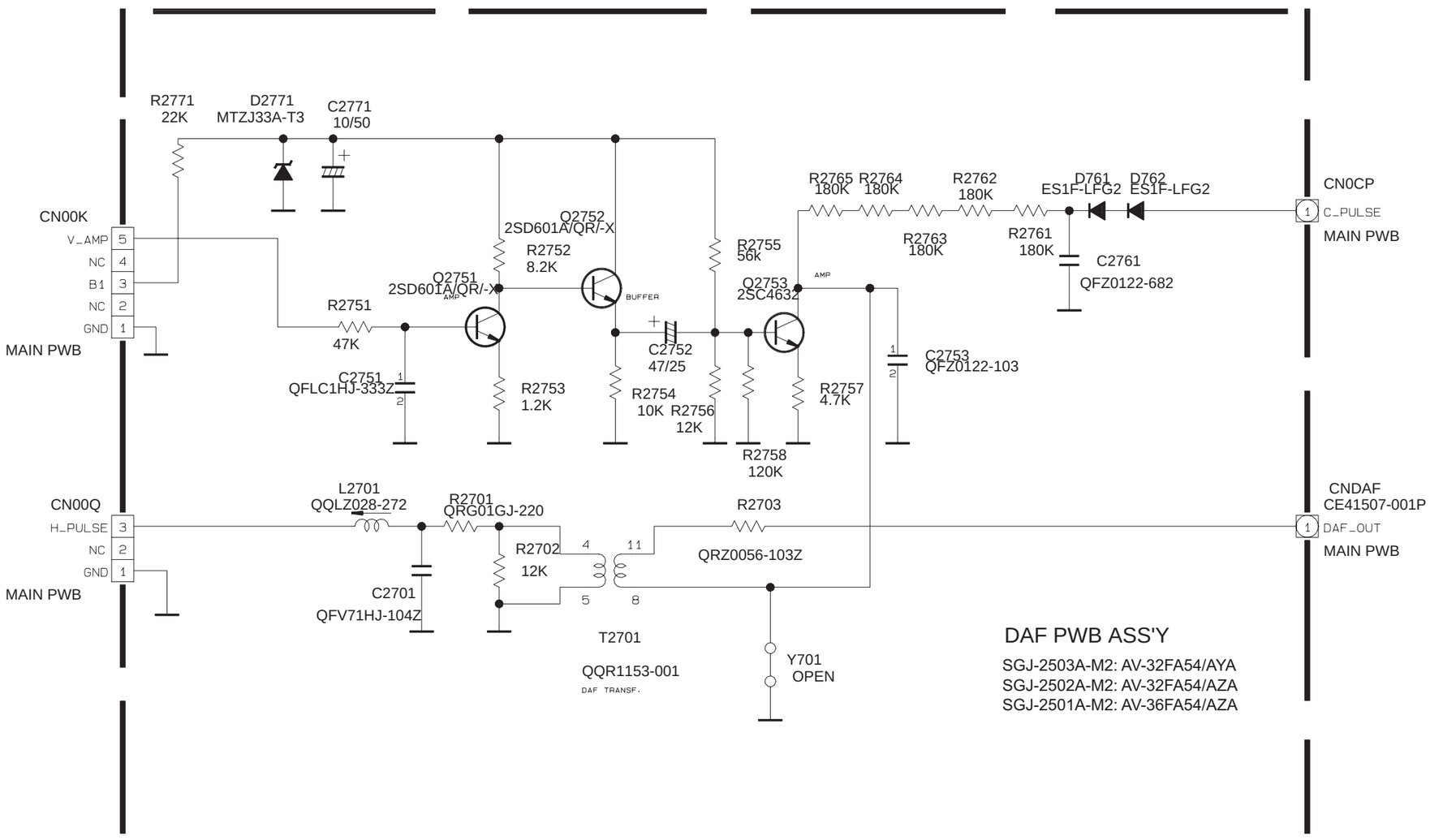


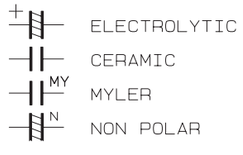

NOTES: UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μF.

ELECTROLYTIC
CERAMIC
MY MYLER
N NON POLAR

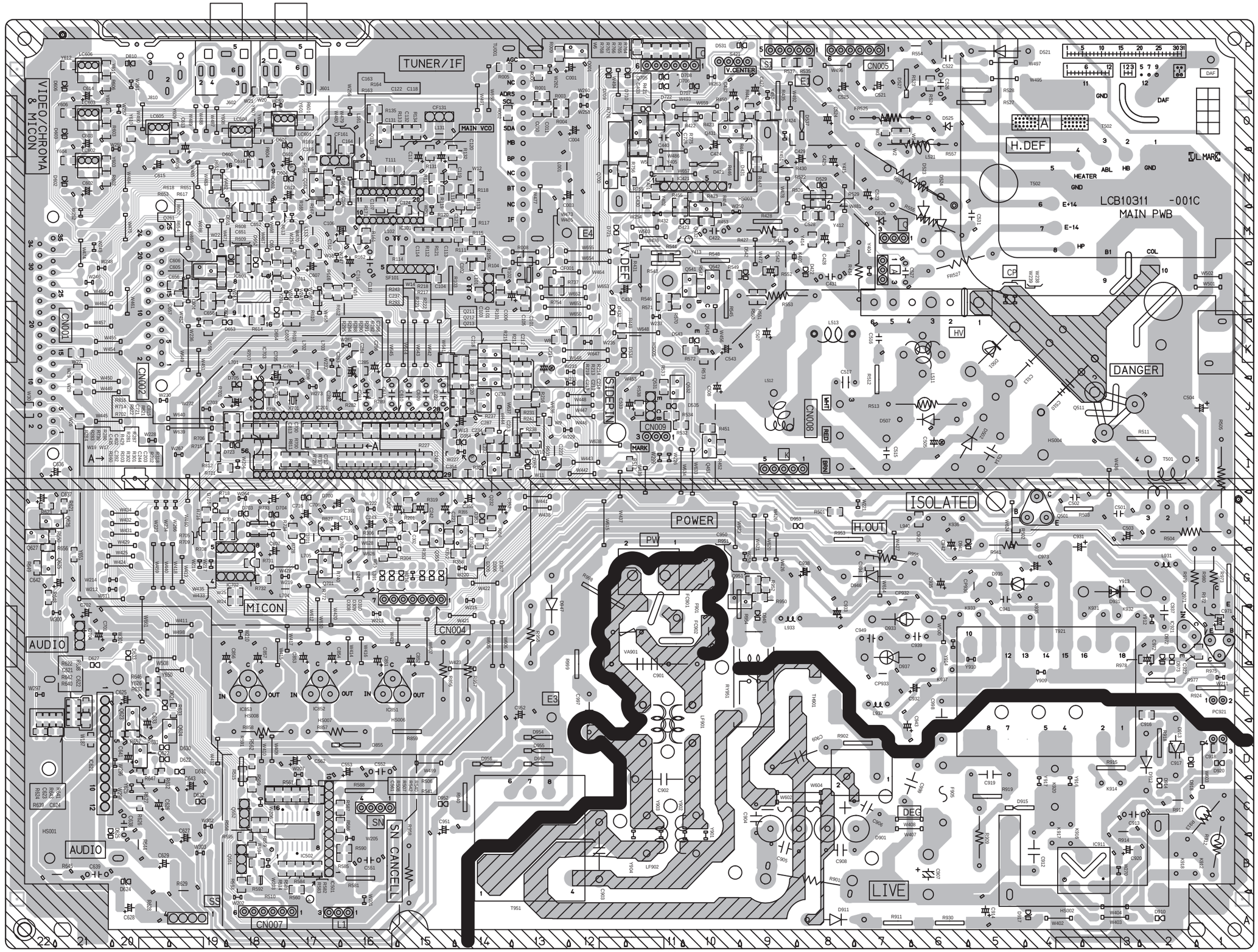
| | SGJ2501A | SGJ-2502A | SGJ-2503A |
|---|---|---|---|
| C2701 | QFV71HJ-124Z | QFV71HJ-104Z | QFV71HJ-124Z |



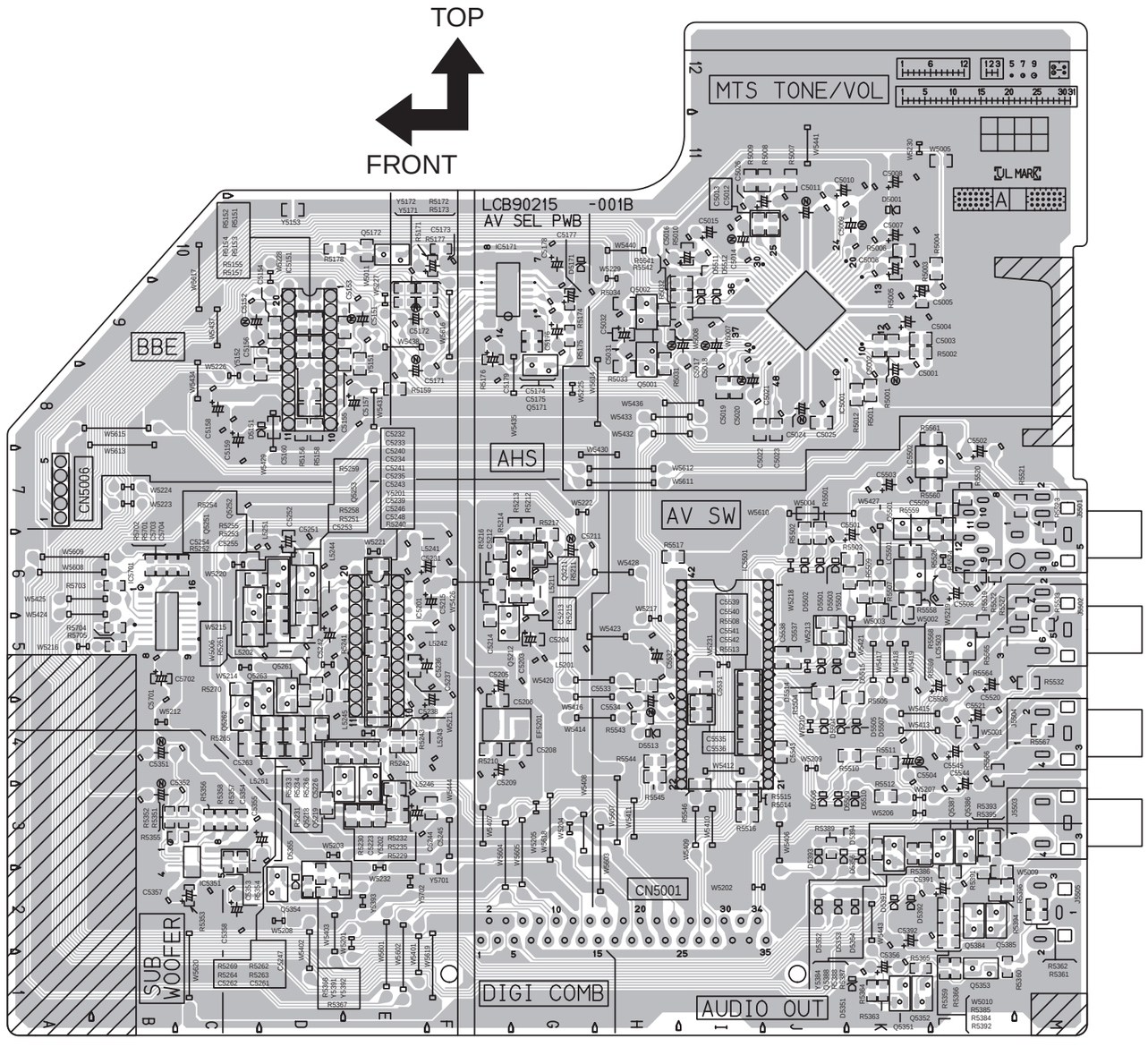

NOTES: UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μF.



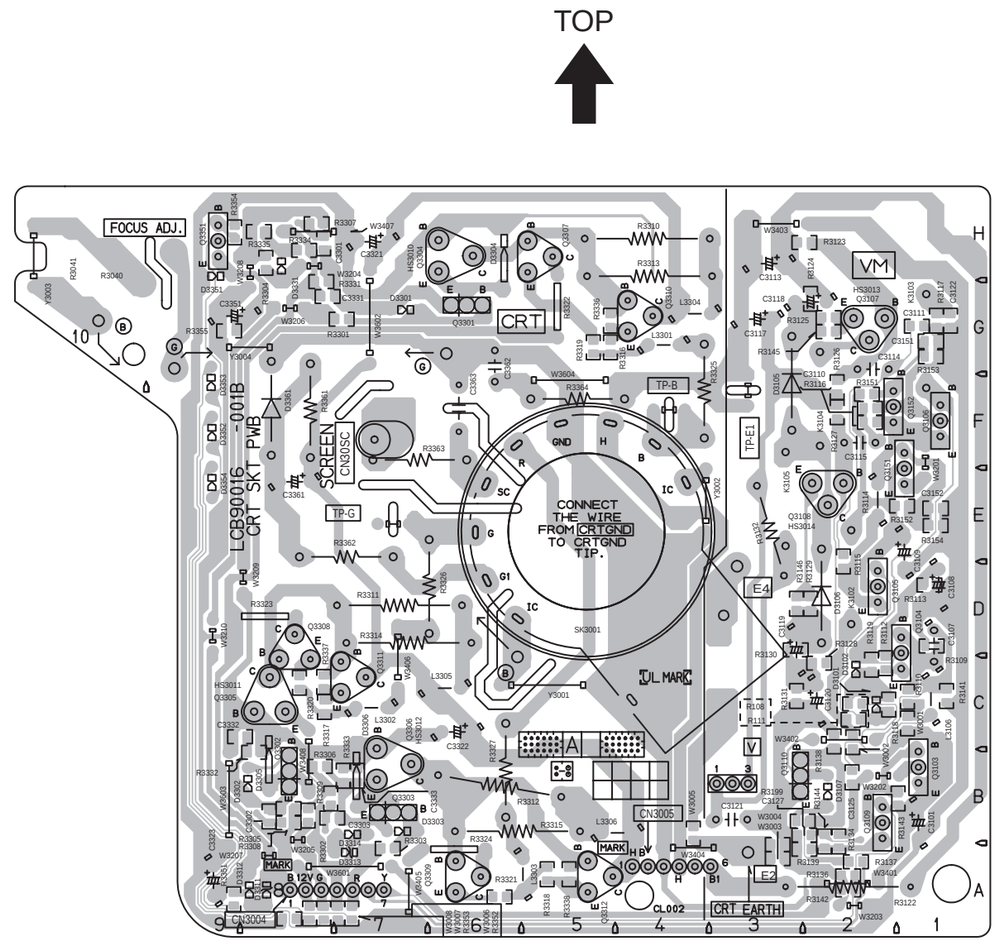
# PATTERN DIAGRAMS *MAIN PWB PATTERN*



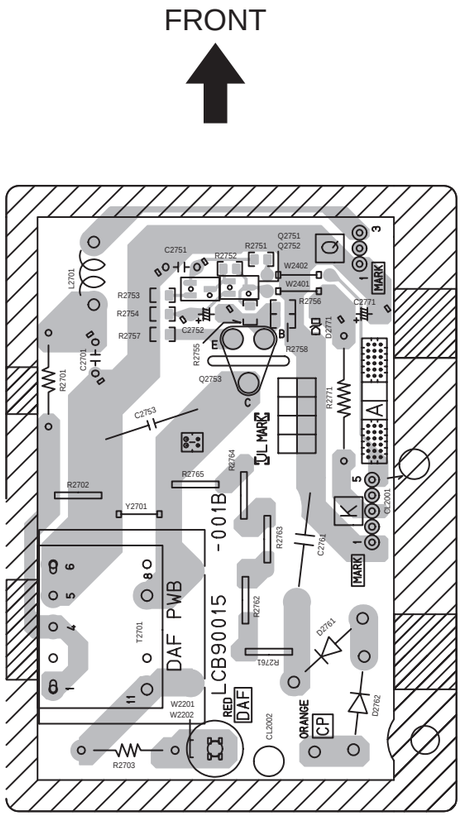
## AV SELECTOR PWB PATTERN



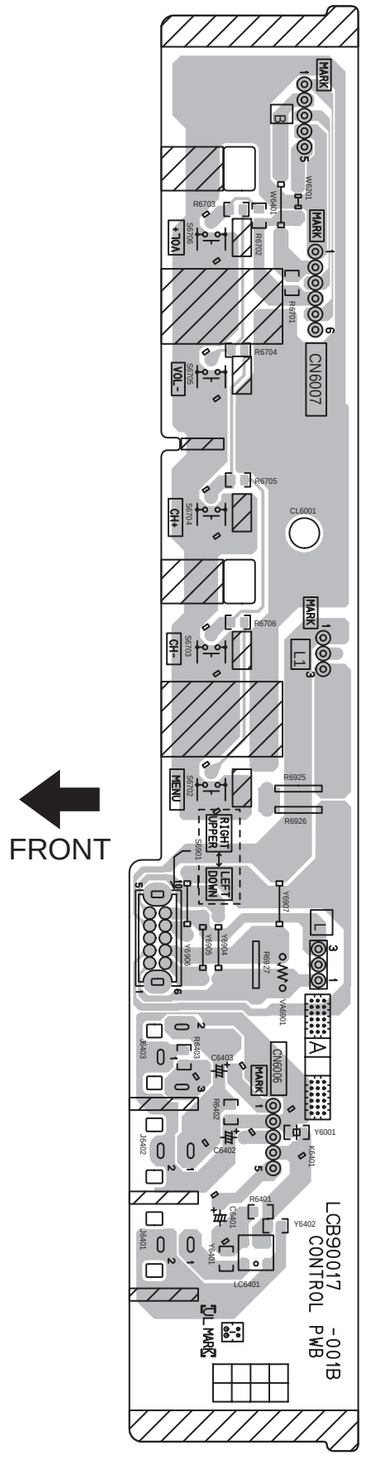

## CRT SOCKET PWB PATTERN



## *DAF PWB PATTERN*




## *FRONT CONTROL PWB PATTERN*


FRONT
LCB90017 -001B
CONTROL PWB
CN6007
CL6001
R6703
R6704
R6705
R6706
R6925
R6926
R6927
R6928
R6929
R6930
R6931
R6932
R6933
R6934
R6935
R6936
R6937
R6938
R6939
R6940
R6941
R6942
R6943
R6944
R6945
R6946
R6947
R6948
R6949
R6950
R6951
R6952
R6953
R6954
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R6960
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R6981
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R6990
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R6992
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R6995
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R6997
R6998
R6999
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R6901
R6902
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R6924
C6401
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C6403
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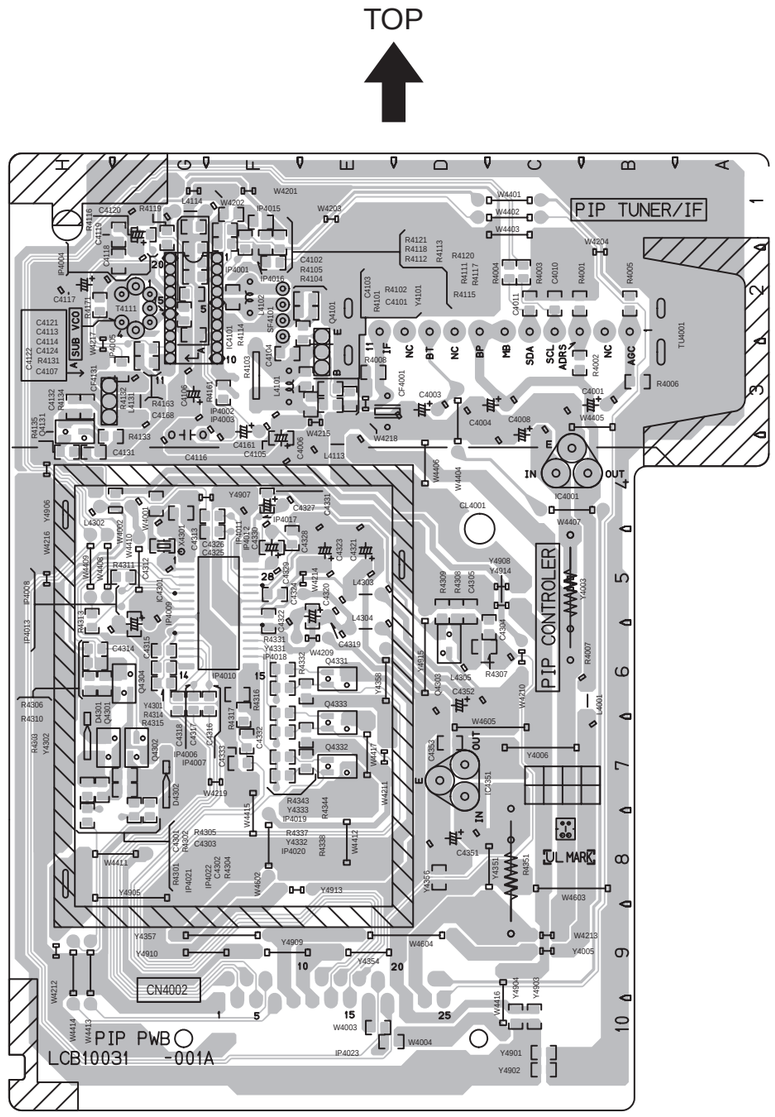
***PIP PWB PATTERN***



## CHANNEL CHART (US)

| MODE | | BAND | CHANNEL | | TUNER BAND |
|---|---|---|---|---|---|
| TV | CATV | | REAL | DISP. | |
| ○ | ○ | VL | 02<br>03<br>04<br>05<br>06 | | I |
| | | VH | 07<br>08<br>09<br>10<br>11<br>12<br>13 | | II |
| × | ○ | MID | A | 14 | I |
| | | | B | 15 | |
| | | | C | 16 | II |
| | | | D | 17 | |
| | | | E | 18 | |
| | | | F | 19 | |
| | | | G | 20 | |
| | | | H | 21 | |
| | | | I | 22 | |
| | | SUPER | J | 23 | |
| | | | K | 24 | |
| | | | L | 25 | |
| | | | M | 26 | |
| | | | N | 27 | |
| | | | O | 28 | |
| | | | P | 29 | |
| | | | Q | 30 | |
| | | | R | 31 | |
| | | | S | 32 | |
| | | | T | 33 | |
| | | | U | 34 | |
| | | | V | 35 | |
| | | | W | 36 | |
| | | HYPER | W+1 | 37 | |
| | | | W+2 | 38 | |
| | | | W+3 | 39 | |
| | | | W+4 | 40 | |
| | | | W+5 | 41 | |
| | | | W+6 | 42 | |
| | | | W+7 | 43 | |
| | | | W+8 | 44 | |
| | | | W+9 | 45 | |
| | | | W+10 | 46 | |
| | | | W+11 | 47 | |
| | | | W+12 | 48 | IV |
| | | | W+13 | 49 | |
| | | | W+14 | 50 | |
| | | | W+15 | 51 | |
| | | | W+16 | 52 | |
| | | | W+17 | 53 | |
| | | | W+18 | 54 | |
| | | | W+19 | 55 | |
| | | | W+20 | 56 | |
| | | | W+21 | 57 | |
| | | | W+22 | 58 | |
| | | | W+23 | 59 | |
| | | | W+24 | 60 | |
| | | | W+25 | 61 | |
| | | | W+26 | 62 | |
| | | | W+27 | 63 | |
| | | | W+28 | 64 | |
| | | ULTRA | W+29 | 65 | |
| | | | W+30 | 66 | |
| | | | W+31 | 67 | |
| | | | W+32 | 68 | |
| | | | W+33 | 69 | |
| | | | W+34 | 70 | |

| MODE | | BAND | CHANNEL | | TUNER BAND |
|---|---|---|---|---|---|
| TV | CATV | | REAL | DISP. | |
| × | ○ | ULTRA | W+35 | 71 | IV |
| | | | W+36 | 72 | |
| | | | W+37 | 73 | |
| | | | W+38 | 74 | |
| | | | W+39 | 75 | |
| | | | W+40 | 76 | |
| | | | W+41 | 77 | |
| | | | W+42 | 78 | |
| | | | W+43 | 79 | |
| | | | W+44 | 80 | |
| | | | W+45 | 81 | |
| | | | W+46 | 82 | |
| | | | W+47 | 83 | |
| | | | W+48 | 84 | |
| | | | W+49 | 85 | |
| | | | W+50 | 86 | |
| | | | W+51 | 87 | |
| | | | W+52 | 88 | |
| | | | W+53 | 89 | |
| | | | W+54 | 90 | |
| | | | W+55 | 91 | |
| | | | W+56 | 92 | |
| | | | W+57 | 93 | |
| | | | W+58 | 94 | |
| | | | W+59 | 100 | |
| | | | W+60 | 101 | |
| | | | W+61 | 102 | |
| | | | W+62 | 103 | |
| | | | W+63 | 104 | |
| | | | W+64 | 105 | |
| | | | W+65 | 106 | |
| | | | W+66 | 107 | |
| | | | W+67 | 108 | |
| | | | W+68 | 109 | |
| | | | W+69 | 110 | |
| | | | W+70 | 111 | |
| | | | W+71 | 112 | |
| | | | W+72 | 113 | |
| | | | W+73 | 114 | |
| | | | W+74 | 115 | |
| | | | W+75 | 116 | |
| | | | W+76 | 117 | |
| | | | W+77 | 118 | |
| | | | W+78 | 119 | |
| | | | W+79 | 120 | |
| | | | W+80 | 121 | |
| | | | W+81 | 122 | |
| | | | W+82 | 123 | |
| | | | W+83 | 124 | |
| | | | W+84 | 125 | |
| | | SUB MID | A-8 | 01 | I |
| | | | A-4 | 96 | |
| | | | A-3 | 97 | II |
| | | | A-2 | 98 | |
| | | | A-1 | 99 | |
| ○ | × | UHF | 14 ≀ 69 | | IV |

TOTAL 180CH
{ VHF 124CH
{ UHF 56CH

NOTE:
TO RECEIVE THE SUBSCRIPTION OR PREMIUM PROGRAMMING FROM CERTAIN CABLE COMPANIES.
SPECIAL ADAPTERS MAY BE REQUIRED.



## CHANNEL CHART (CA)

| MODE | | BAND | CHANNEL | | TUNER BAND |
|---|---|---|---|---|---|
| TV | CATV | | REAL | DISP. | |
| ○ | ○ | VL | 02<br>03<br>04<br>05<br>06 | | I |
| | | VH | 07<br>08<br>09<br>10<br>11<br>12<br>13 | | II |
| × | ○ | MID | A | 14 | II |
| | | | B | 15 | |
| | | | C | 16 | |
| | | | D | 17 | |
| | | | E | 18 | |
| | | | F | 19 | |
| | | | G | 20 | |
| | | | H | 21 | |
| | | | I | 22 | |
| | | SUPER | J | 23 | |
| | | | K | 24 | |
| | | | L | 25 | |
| | | | M | 26 | |
| | | | N | 27 | |
| | | | O | 28 | |
| | | | P | 29 | III |
| | | | Q | 30 | |
| | | | R | 31 | |
| | | | S | 32 | |
| | | | T | 33 | |
| | | | U | 34 | |
| | | | V | 35 | |
| | | | W | 36 | |
| | | HYPER | W+1 | 37 | |
| | | | W+2 | 38 | |
| | | | W+3 | 39 | |
| | | | W+4 | 40 | |
| | | | W+5 | 41 | |
| | | | W+6 | 42 | |
| | | | W+7 | 43 | |
| | | | W+8 | 44 | |
| | | | W+9 | 45 | |
| | | | W+10 | 46 | |
| | | | W+11 | 47 | |
| | | | W+12 | 48 | |
| | | | W+13 | 49 | |
| | | | W+14 | 50 | |
| | | | W+15 | 51 | |
| | | | W+16 | 52 | |
| | | | W+17 | 53 | |
| | | | W+18 | 54 | |
| | | | W+19 | 55 | |
| | | | W+20 | 56 | |
| | | | W+21 | 57 | |
| | | | W+22 | 58 | |
| | | | W+23 | 59 | |
| | | | W+24 | 60 | |
| | | | W+25 | 61 | |
| | | | W+26 | 62 | |
| | | | W+27 | 63 | |
| | | | W+28 | 64 | |
| | | ULTRA | W+29 | 65 | |
| | | | W+30 | 66 | IV |
| | | | W+31 | 67 | |
| | | | W+32 | 68 | |
| | | | W+33 | 69 | |
| | | | W+34 | 70 | |

| MODE | | BAND | CHANNEL | | TUNER BAND |
|---|---|---|---|---|---|
| TV | CATV | | REAL | DISP. | |
| × | ○ | ULTRA | W+35 | 71 | IV |
| | | | W+36 | 72 | |
| | | | W+37 | 73 | |
| | | | W+38 | 74 | |
| | | | W+39 | 75 | |
| | | | W+40 | 76 | |
| | | | W+41 | 77 | |
| | | | W+42 | 78 | |
| | | | W+43 | 79 | |
| | | | W+44 | 80 | |
| | | | W+45 | 81 | |
| | | | W+46 | 82 | |
| | | | W+47 | 83 | |
| | | | W+48 | 84 | |
| | | | W+49 | 85 | |
| | | | W+50 | 86 | |
| | | | W+51 | 87 | |
| | | | W+52 | 88 | |
| | | | W+53 | 89 | |
| | | | W+54 | 90 | |
| | | | W+55 | 91 | |
| | | | W+56 | 92 | |
| | | | W+57 | 93 | |
| | | | W+58 | 94 | |
| | | | W+59 | 100 | |
| | | | W+60 | 101 | |
| | | | W+61 | 102 | |
| | | | W+62 | 103 | |
| | | | W+63 | 104 | |
| | | | W+64 | 105 | |
| | | | W+65 | 106 | |
| | | | W+66 | 107 | |
| | | | W+67 | 108 | |
| | | | W+68 | 109 | |
| | | | W+69 | 110 | |
| | | | W+70 | 111 | |
| | | | W+71 | 112 | |
| | | | W+72 | 113 | |
| | | | W+73 | 114 | |
| | | | W+74 | 115 | |
| | | | W+75 | 116 | |
| | | | W+76 | 117 | |
| | | | W+77 | 118 | |
| | | | W+78 | 119 | |
| | | | W+79 | 120 | |
| | | | W+80 | 121 | |
| | | | W+81 | 122 | |
| | | | W+82 | 123 | |
| | | | W+83 | 124 | |
| | | | W+84 | 125 | |
| | | SUB MID | A-8 | 01 | I |
| | | | A-4 | 96 | |
| | | | A-3 | 97 | II |
| | | | A-2 | 98 | |
| | | | A-1 | 99 | |
| ○ | × | UHF | 14 ≀ 69 | | IV |

TOTAL 180CH
{ VHF 124CH
{ UHF 56CH

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